

PERFORMANCE RECORDS OF WOODY PLANTS IN THE SECREST ARBORETUM

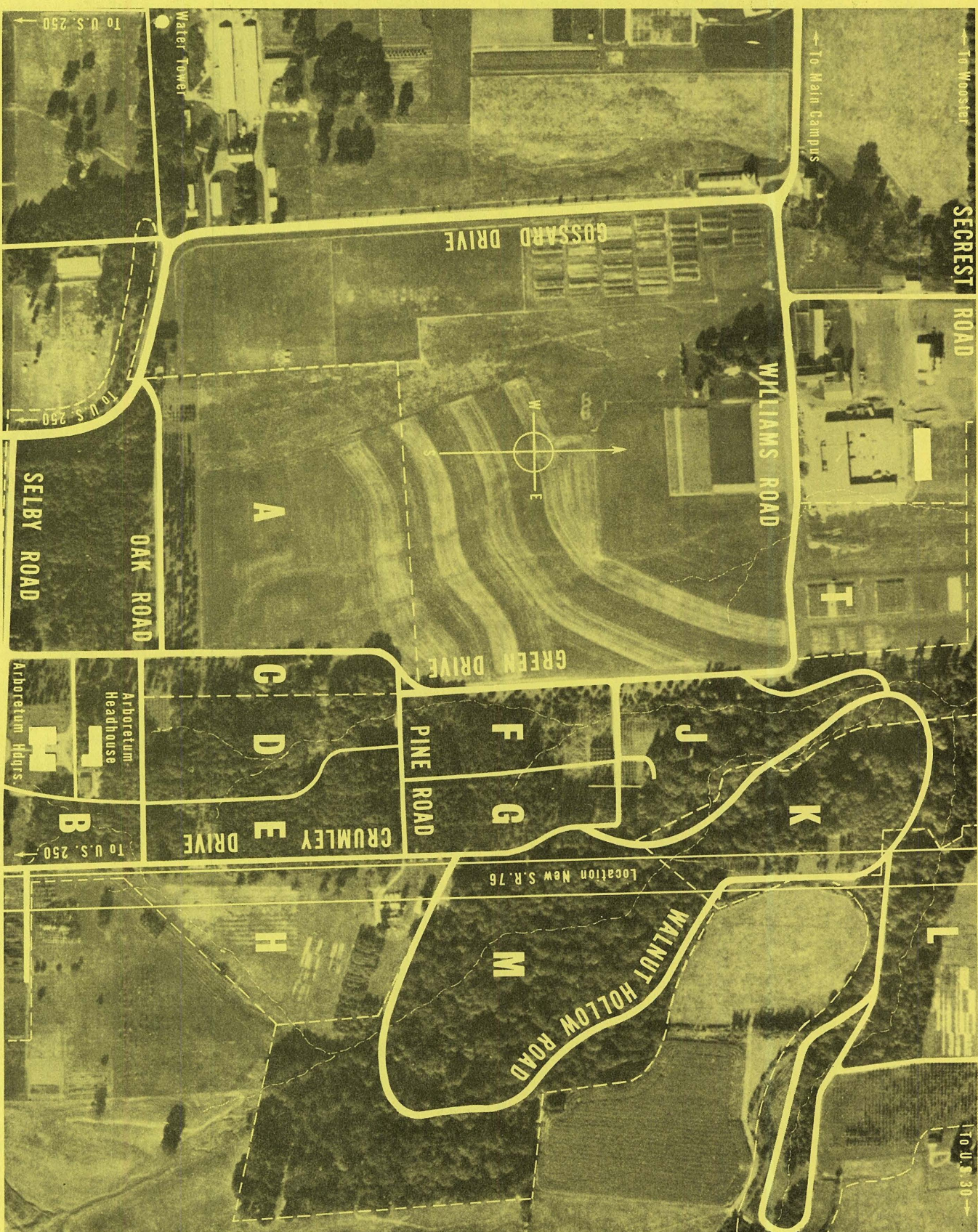
II. Heath Family: *Ericaceae*

JOHN E. FORD



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WOOSTER, OHIO

KEY MAP TO COMPARTMENTS IN SECREST ARBORETUM



PERFORMANCE RECORDS OF WOODY PLANTS IN THE SECREST ARBORETUM

II. Heath Family: *Ericaceae*

JOHN E. FORD
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There are presently more than 2,000 different species, varieties, hybrids, or cultivars of woody plants growing in the Secrest Arboretum. These represent more than 200 genera distributed in some 68 families. More than 1200 individual ericaceous plants have been outplanted, with some 500 plants still in the propagation facilities. There are 225 different types of ericaceous plants currently growing in the Arboretum.

Although the first plantings of trees in the area which became the Secrest Arboretum were made in 1901 and 1903, the first rhododendron was not set out until 1917 when a couple of hundred Rosebay Rhododendrons (*Rhododendron maximum*) were underplanted in forest plantations.

The majority of the plantings in the Arboretum have been set out on a 12-foot by 12-foot spacing. Many rhododendrons have been planted in beds on a 5-foot or 6-foot spacing. Rhododendrons and companion plants in the Rhododendron Display Garden (Compartment J) are set out following a landscape plan so the distance between these plants will be variable. As plants mature and need additional growing space, adjacent plants are removed. Plants in the Arboretum are pruned when they are set out, but no additional pruning is done except to remove dead, broken, or disease-infected branches. Spent flower trusses are dead-headed or removed from rhododendrons; otherwise, plants are allowed to grow into their natural shape.

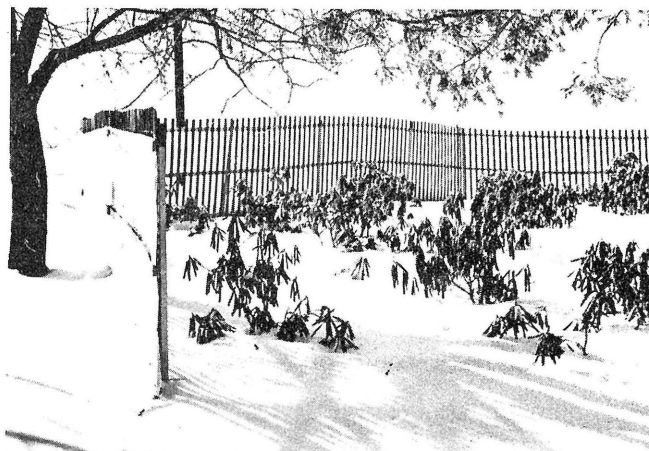
Proper interpretation of the records is essential. Plants which succeed or fail in the Arboretum might do differently in other situations or locations. Growth hinges largely on the basic factors of habitat and microclimate. Thus, local environmental conditions are most significant. The loss of a plant may be due to a number of factors.

Many rhododendrons have been killed during the winter when they are on sites excessively wet, poorly drained, or exposed to the wind. The same cultivars on well-drained sites protected from the wind came through the winters in perfect condition. Some rhododendrons were planted on sites which appeared to be well drained. They grew until 1972, when a wet year left these sites in a wet condition. Rhododendrons and Pieris in these areas deteriorated rapidly.

Size of plant can also have a bearing on survival. Rhododendrons of the same clone were set side by side in the nursery and were outplanted in the Arboretum. Many plants less than 1 foot high were either killed or partially killed the first winter, while adjacent larger plants 1 to 2 feet tall showed no signs of winter injury. Established plants will often survive climatic extremes, while recently planted shrubs may be killed.

Survival rate of rhododendrons planted on the south and west sides of buildings has not been as high as the same cultivars set on the north and east sides of buildings. Wind is often an important factor. Many ericaceous plants set out on windy sites haven't survived or have not grown as well as the same kinds of plants on sites protected from severe winds. This can sometimes be noticeable at the corners of buildings. One north foundation planting of the azalea 'Fireball' has plants at the northeast and northwest corners of the building only half the height after 4 years as the plants growing near the middle of the building where there was less exposure.

Many plants require two or three growing seasons to reestablish themselves after transplanting. This is especially true with many rhododendron cultivars. Some recently planted shrubs presently rated as being in fair condition would undoubtedly receive a rating of good condition in another year or two.



Rhododendrons 'Nova Zembla' and 'King Tut' protected from severe winter winds with snowfence and plastic sheeting. Few rhododendrons are planted or can survive such exposed locations.

ENVIRONMENT

The Secret Arboretum contains more than 75 acres of diversified terrain ranging from areas fairly level to areas with considerable slope. Aspect, moisture, and related site conditions are considerably varied. Elevations are from 1,000 to 1,100 feet above sea level. The predominant soil type is Wooster silt loam which was derived from glacial till. The soil is moderately acid, which is quite suitable for most ericaceous plants. The mean annual precipitation is 37 inches.

Extremes of temperature have varied from -24° F. in 1912 to 105° F. in 1918. The Arboretum is located in Plant Hardiness Zone 5, where annual minimum temperatures average between -20° F. and -10° F. The coldest most recent temperature was -20° F. in 1963. Extremely fluctuating temperatures in January and February 1972 caused a considerable amount of damage to plants in the Arboretum. There were several periods when January thaws with temperatures between 40° F. and 50° F. were followed within a week's time with temperatures falling to zero or below. The most extreme fluctuation came in January 1972, when a maximum temperature of 60° F. was followed 3 days later by a minimum temperature of -12° F. Many small rhododendrons were killed outright or suffered con-

siderable killing of leaves and branches. Many of the newer hybrid rhododendrons had most or all of their flower buds killed. The Ironclad Rhododendrons and Rosebay Rhododendron (*Rhododendron maximum*) suffered no damage to their flower buds and later had excellent bloom. In general, all evergreen azaleas had their flower buds completely killed, while the deciduous azaleas suffered no damage.

PLANT DESCRIPTIONS

Plants are listed alphabetically by genera and species. Common and botanical nomenclature follows Rhododendron Information (1), Standardized Plant Names (2), Rhododendrons of the World (3), and Manual of Cultivated Trees and Shrubs (4). No one reference contains all plants listed.

A number of symbols and abbreviations have been used to describe the history and present status of each plant.

Source: The letter S and numeral following the name of a listed plant is the source where plants were obtained. See Source List on page 44.

Location: The second letter and numeral following the name of a listed plant is the plot location or compartment where the plant was set out.

A through T—see map inside front cover.

O—other plantings. Includes ornamentals on campus and around buildings at the Ohio Agricultural Research and Development Center.

Number of Plants Set Out: The numeral in parentheses following plot location is the number of plants set out.

Year Planted: The year the plants were set out follows the number of plants set.

Status:

(—)—Indicates a plant is in poor condition.

(+)—Indicates a plant is in fair or average condition.

(+ +)—Indicates a plant is in good or above average condition.

'—Indicates present height of plant in feet.

"—Indicates present height of plant in inches.

(1)—Numeral in parentheses indicates number of plants remaining.

1973—Year indicates when observation was made.

F—Failed due to:

Fc—local climatic extremes

Fd—diseases

Fi—insects

Fm—mechanical injury (mowed off, broken off by vehicle, etc.)



The long clustered dry seed capsules of Drooping Leucothoe (*Leucothoe catesbaei*) are as conspicuous in the winter as the flowers are in the spring.

Fp—planting (too small, wrong season, etc.)
 Fs—site (unfavorable site factors)
 Fw—wind, snow or ice breakage
 NP—Not present.
 Re—Removed to develop Arboretum or for other reasons.
 Ts—Transplanted.
 V—Volunteers (usually indigenous) growing in Arboretum.

All ericaceous plants have been planted on sites which are well drained and protected from winds unless otherwise noted.

Example of meaning of lettering and symbols following a plant name:

S38. H2. (4)1953,12". (1)1968. Ts 1970 B5
 (+)4'(1)1973

Plants obtained OARDC, Secrest Arboretum. Four plants 12 inches high set out in Plot H2 in 1953. One plant remaining when checked in 1968. Transplanted in 1970 to Plot B5. Plant in fair condition, 4 feet tall, and one plant in place when checked in 1973.

HEATH FAMILY: ERICACEAE

Eleven different genera of heaths have been set out in the Arboretum: *Arctostaphylos*, *Calluna*, *Erica*, *Gaultheria*, *Kalmia*, *Ledum*, *Leucothoe*, *Oxydendron*, *Pieris*, *Rhododendron*, and *Vaccinium*. Although the Arboretum is within the natural range of several species of the Heath Family, the only one occurring naturally is Blueridge Blueberry (*Vaccinium pallidum*).

The first planting of rhododendrons was made in 1917 when about 200 Rosebay Rhododendron (*Rhododendron maximum*) were underplanted in 11 different locations. These plants have grown over the years and have held their own competing with other vegetation with no cultural help. Although they bloom and set seed, no self-seeded plants have been found. Some of the larger plantings have grown into small thickets reminiscent of the rhododendron thickets in the Appalachians. The next plantings were made in 1921, 1922, and 1930 when a number of the Ironclad-type rhododendrons were used. The plantings from 1921 until 1966 were largely made around buildings on the campus of the Ohio Agricultural Research and Development Center. Since 1966, many rhododendrons and azaleas have been set out in the Arboretum every year. To date, rhododendrons which have grown for 40 years or more are the two species Rosebay Rhododendron (*Rhododendron maximum*) and Carolina Rhododendron (*Rhododendron carolinianum*) and the Ironclad Rhododendrons Catawbiense Album, 'English Roseum', and 'Purpureum Elegans'.

The Secrest Arboretum is one of the official Rhododendron Display Gardens and Test Centers co-operating with the Great Lakes Chapter of The American Rhododendron Society. The Rhododendron Display Garden (Compartment J) was started in 1966. More than 155 different types of rhododendrons and azaleas have been set in this area. Eventually there will be 7 acres included in this garden. The Rhododendron Test Garden (Plot B12) was started in 1968. To date, 80 different plants have been set in the Test Garden for intensive evaluation.

Although the early plantings of Rosebay Rhododendron were successfully grown in natural settings, attempts to grow some of the newer hybrid rhododendrons in natural looking plantings were not too successful. In many cases these hybrids could not successfully compete with other vegetation and were crowded out. A number of rhododendrons were smothered out by ferns, especially Sensitive Fern (*Onoclea sensibilis*). Sensitive Fern in the Rhododendron Display Garden is very aggressive. Hybrid rhododendrons set out in beds where all competing vegetation was kept weeded out have made much better growth.

Depth of roots is very important in planting rhododendrons. Many of the first plantings of rhododendrons in the Rhododendron Display Garden were set in holes which had been augered into the ground. Settling of the earth and wash-in of soil from around the planting holes soon had some of the root systems buried under 3 to 6 inches of soil. Many of the early plantings had to be lifted and reset so the shallow root systems were near the top of the ground level. A number of plants died before they were reset.

A few of the deciduous azaleas appear to be favored by rabbits, and unless these susceptible varieties are kept covered with a rabbit repellent during the winter, considerable cutting of twigs and shoots occurs. Some of the deciduous azaleas are susceptible to infection with mildew—especially when growing in too deep a shade where there is high humidity and little air movement.

Rhododendrons growing on wet sites are susceptible to infection with Phytophthora.* Rhododendron 'Caroline' is resistant to infection and the cultivars 'English Roseum', 'Prize', 'Bosley-Dexter 1020', and 'Rocket' are tolerant of this disease.

In six different locations where rhododendrons or azaleas have been planted under Black Walnut (*Juglans nigra*), they have either died or have grown so poorly they are barely alive. In some instances, when rhododendrons have been transplanted from these sites, they have started to recover.

*Information on diseases furnished by Dr. H. A. J. Hortink, Associate Professor, Department of Plant Pathology.

			<u>Status</u>
Arctostaphylos uva-ursi.	S11. A1. (2)1927.		Fs 1932
BEARBERRY.	Requires well-drained site. Site was too wet, soil too heavy.		
Calluna vulgaris.	Suk. H. 1931.		Fs 1934
SCOTCH HEATHER.	Is growing around Wooster on acid, well-drained sites.		
Calluna vulgaris 'Sister Ann'.	S32. B5. (9)1970.		(++)3"(9)1973
SISTER ANN SCOTCH HEATHER.	Grew well until excessive rains of past year (1972-73) kept site too wet. Recovered during summer.		
Erica carnea.	Suk. H. 1932.	Site too wet.	Fs 1934
SPRING HEATH.			
Gaultheria procumbens.	S7. N8. (12)1966.	Site too wet.	Fs 1968
CHECKERBERRY, WINTERGREEN.	S43. G4. (4)1969.		(++)1973
Grows naturally in the county.			
Kalmia angustifolia.	Suk. J37. (100)1919.		Fs 1933
LAMBKILL KALMIA.	Suk. O. 1921.		Fs 1932
Crowded and shaded out by other vegetation.			
Kalmia latifolia.	Suk. J37. 1916.	Crowded out by other vegetation.	Fs 1958
MOUNTAINLAUREL.	Suk. O. 1930.		(++)7'(2)1973
	S53. JQIV. (3)1967, 12".		(++)3'(3)1973
	S53. JQIV. (12)1967, 12".	9 failed due to competition from blackberries. (9)Fs.	(+)19"-38"(3)1973
	S53. JQIV. (5)1967, 12".	(2)Fs.	(+)19"-38"(3)1973
	S53. JQV. (17)1967, 12".	5 failed due to competition. (5)Fs.	(- to ++)6"-40"(12)1973
	S53. JQV. (12)1967, 12".	Too much shade.	(+)19"-24"(9)1973
	S53. JQVI. (2)1967, 12".	(1)1968, (1)Fs, Fp.	(++)34"(1)1973
	Too small, choked out by competing vegetation.		
	S53. JQVI. (4)1967, 15".		(+)32"-55"(4)1973
	S53. J8. (6)1971, 15"-18".		(++)3'(5)1973
Has failed or not grown well where it has had to compete with other vegetation such as shrubs and berry bushes.			
Has not grown well in too much shade.			

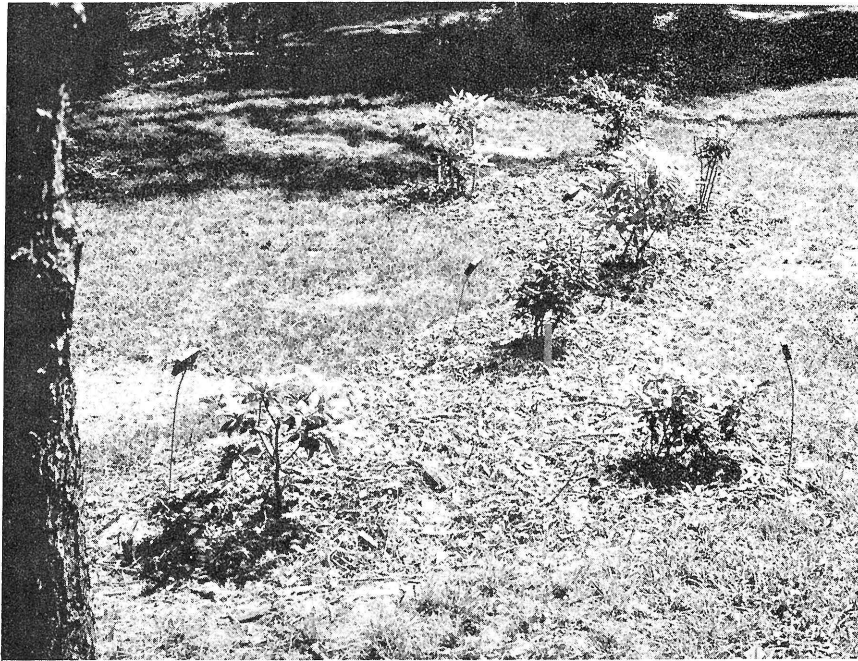
Status

Ledum groenlandicum. LABRADORTEA.	Suk. N8. (2)1966. Set in swamp. Native in county.	Re 1970
Leucothoe catesbaei. DROOPING LEUCOTHOE. FETTERBUSH.	Suk. O. (10)1958. North side of building. Suk. A2. 1959. Present 1964. Suk. O. (8)1960. Suk. O. (9)1960. Present 1964. S48. JQV. (9)1966, 18". (2)Re 1967. S48. JQVI. (5)1967, 18". (1)1968, (4)Fs. Crowded out by competing vegetation. S38. JQV. (12)1972, 12". (2)1972, (10)Re. East slope.	(++)4' (10)1973 NP 1968 NP 1968 NP 1968 (++)37"-53" (7)1973 (++)35" (1)1973 (++)12", 20" (2)1973
Oxydendron arboreum. SOURWOOD.	S6. J31. 1915. (7)1928, (2)1955. In 6 instances, plants are clumps of sprouts. 5 trees had been cut in 1955. Suk. T. (5)1972, 6'. (5)Fw, Fp. Wet weather kept planting holes full of water.	(+)8'-16' (7)1973 (+)6' (1)1973
Pieris japonica. JAPANESE PIERIS.	Suk. A2. (2)1958. Replace (1)1960. (1)1964. Suk. O. (4)1958. Killed with herbicides 1972. Suk. O. (8)1960. S18. JQVI. (7)1966, 24". (5)1968, (2)Re. S18. JQVI. (5)1966, 18". (3)1969, (2)Fs. Wet. S19. JQVI. (9)1966, 18". (7)1970, (2)Fs. Wet. Parts of planting site became excessively wet. Plants on wet areas have tops dead while adjacent plants on better-drained sites are in excellent condition. S59. JQIV. (5)1968, 12". Too small to compete with other vegetation. S45. JQVI. (3)1969, 24". (2)1972, (1)Fs. Wet. Suk. O. (2)1970, 18".	(+)3' (1)1973 Re 1972 (++)3' (4)1973 (++)5' (5)1973 (+)3'-4' (3)1973 (- to ++)33"-78" (7)1973 Fp Fs 1969 (+)3' (2)1973 (++)3' (2)1973
Pieris taiwanensis. FORMOSA PIERIS.	S51. B5. (3)1972, 18".	(-)18" (3)1973

	<u>Status</u>
Rhododendron (unnamed). S30. JQV. (1)1969, 25".	(++)56"(1)1973
Rhododendron (unnamed). S30. JQIVA. (1)1969, 33". Exposed site.	(++)50"(1)1973
Rhododendron (unnamed). S30. JQIVA. (1)1969, 20". Exposed site.	(++)24"(1)1973
Rhododendron 'Agnes Harvey'. (Knaphill-Exbury). S9. B5. (1)1969, 17".	(++)12"(1)1973
AGNES HARVEY AZALEA. Cut by rabbits during winters until protected with repellent. Has survived -12°F.	
Rhododendron 'Albert Close'. S30. B5. (1)1966, 36". Ts 1971.	(+)46"(1)1973
ALBERT CLOSE RHODODENDRON. Growing under <u>Juglans nigra</u> . Ts 1971 away from <u>J. nigra</u> .	
S20. JQIV. (2)1968, 18".	(++)43"(2)1973
Blooms end of May or early June. Bloom scattered until 1973 when bloom was good. Plants are competing with adjacent planting of <u>Myrica pennsylvanica</u> . Has survived -12°F. with no winter kill.	
Rhododendron 'Album Elegans'. (Ironclad). Suk. O. 1956.	Fd 1958
ALBUM ELEGANS RHODODENDRON. S18. JQV. (7)1966. (1)Re 1966.	(++)6'-8'(6)1973
S52. B5. (3)1967. Wet site.	Fs 1968
S37. O. (1)1970, 24". Ts(1)	(++)38"(1)1973
1973 JQIVA.	
S37. O. (4)1970, 30". Ts(4)	(++)40"-49"(4)1973
1973 JQIIIA.	
S41. JQIVA. (2)1971, 24". Exposed site.	(++)58"(2)1973
S8. JQIIIA. (3)1971, 24". Exposed site.	(++)47"-57"(3)1973
Blooms late May, early June. Good bloom past 4 years. Has survived -12°F. with no winter kill.	
Rhododendron 'Altair'. (Exbury). S4. J10. (1)1970.	(++)41"(1)1973
ALTAIR AZALEA. Good bloom 1973, mid May to end of May. Has survived -12°F.	
Rhododendron 'America'. (Ironclad). S22. O. (2)1960.	(+)24"(1)1973
AMERICA RHODODENDRON. S45. O. (3)1960. Set over steam tunnel.	Fs 1970
S41. JQVI. (4)1966, 10". (1)Fm 1967.	Fm 1970
S52. B5. (3)1967, 8". (1)Fs 1969.	(++)24"(2)1973
S31. JQV. (4)1968, 18". (1)Re 1968, (1)Fd 1969.	(+)32"(2)1973
Fair bloom mid May, early June. Has survived -12°F. with no winter kill.	



Azaleas planted under 60-year-old pines.



Exbury Azaleas set in bed and mulched with wood chips.

		<u>Status</u>
Rhododendron 'Amphion'. AMPHION RHODODENDRON.	S37. B5. (3)1969, 5". Site wet. Died winter 1969-70. -12°F.	Fs Fd 1970
Rhododendron 'Annabella'. (Exbury). ANNABELLA AZALEA.	S4. B5. (1)1969, 12". Washed out by flood.	Fw 1969
Rhododendron 'Apricot'. APRICOT AZALEA.	S41. JQVI. (2)1966, 15". Good bloom early to mid May. Has survived -12°F. with no winter kill.	(++)56" (2)1973
Rhododendron arborescens. SWEET AZALEA.	S27. A2. (6)1921. (3)1969. Bloom fair.	(++)3' (3)1973
Rhododendron 'Atroflo'. ATROFLO RHODODENDRON.	S30. B5. (1)1966, 12". Good bloom 1973. Survived -12°F. S41. B5. (2)1969, 3"-7". (1)1971. Small plant dead. Site wet and wilt infected. Survived -12°F. S41. B5. (1)1969, 7". Site wet. -12°F.	(++)40" (1)1973 (-)15" (1)1973 Fs Fc 1972
Rhododendron 'Aurora'. (Exbury). AURORA AZALEA.	S4. J10. (1)1970, 14".	Fm 1971
Rhododendron 'Balls of Fire'. (Knaphill-Exbury). BALLS OF FIRE AZALEA.	S9. B5. (1)1969, 16". Has survived -12°F.	(+)23" (1)1973
Rhododendron 'Balzac'. (Exbury). BALZAC AZALEA.	S4. B5. (1)1969, 17". Ts 1970 J10. Hasn't formed flower buds to date.	(+)19" (1)1973
Rhododendron 'Basilisk'. (Exbury). BASILISK AZALEA.	S4. B5. (1)1969, 23". Ts 1970 J10. Good bloom past 2 years. Mid May to early June.	(++)36" (1)1973
Rhododendron 'Beaulieu'. (Exbury). BEAULIEU AZALEA.	S4. B5. (1)1969, 8". Washed out by flood.	Fw 1969
Rhododendron 'Belle Heller'. BELLE HELLER RHODODENDRON.	S45. O. (1)1961. -20°F. S45. JQVI. (7)1966, 15". (6)1968, (1)Fp. (3)1969 Fd. 50% to 95% flower buds killed each winter. Scattered bloom late May. S52. B5. (3)1967, 8".	Fc 1963 (+)30"-55" (2)1973 (++)19"-36" (3)1973

Status

- Rhododendron 'Ben Morrison'. S51. B5. (1)1969, 9". Fs 1970
BEN MORRISON RHODODENDRON. Temperatures -12°F.
- Rhododendron 'Berryrose'. (Exbury). S4. B5. (1)1969, 19". (++)31"(1)1973
BERRYROSE AZALEA. Ts 1970 J10.
Good bloom every year since 1970. Bloom mid May to end of
May. Has been exposed to -12°F. with no sign of damage.
- Rhododendron 'Bettex'. S37. B5. (2)1969, 6". Site wet. Fd Fs 1971
BETTEX RHODODENDRON.
- Rhododendron 'Betty Breene'. S30. JQV. (3)1966, 15". (++)35"-40"(3)1973
BETTY BREENE RHODODENDRON. S30. JQVI. (2)1966, 12". (++)36"(2)1973
Good bloom since 1969 except 1972 when 50% of flower
buds killed. Extreme fluctuating temperatures -12°F.
Blooms mid May.
- Rhododendron 'Beulah'. S48. B5. (2)1966, 12". (++)36", 43"(2)1973
BEULAH RHODODENDRON. Good bloom 1973.
- Rhododendron 'Big Savage'. S58. B12. (1)1972, 21". (++)26"(1)1973
BIG SAVAGE RHODODENDRON. All flower buds killed alternate
freezing and thawing periods all
winter and spring 1972-1973.
- Rhododendron BK37. (Knaphill-Exbury). S9. B5. (1)1969, 14". (-)10"(1)1973
RHODODENDRON BK37. Cut by rabbits until sprayed with repellent.
- Rhododendron Bosley-Dexter 1005.
RHODODENDRON BOSLEY-DEXTER 1005. (FORTUNEI 1005).
S30. JQV. (1)1966, 30". (++)60"(1)1973
S41. JQV. (1)1968, 24". (++)62"(1)1973
Both plants good bloom every year except 1972 when all
flower buds killed. Extreme fluctuating temperatures
-12°F. Blooms mid May to end of May.
- Rhododendron Bosley-Dexter 1009. S8. JQVI. (3)1967, 15". (++)38"-51"(3)1973
RHODODENDRON BOSLEY-DEXTER 1009. (FORTUNEI 1009).
Good bloom every year until 1972 when all flower buds
killed. Extreme fluctuating temperatures -12°F.
Bloom fair 1973. Blooms mid May to end of May.

Status

Rhododendron Bosley-Dexter 1020. S8. JQVI. (3)1967, 18". (++)39"-61"(3)1973
 RHODODENDRON BOSLEY-DEXTER 1020. (FORTUNEI 1020).

Good to excellent bloom every year except 1972 when all
 flower buds killed. Extreme fluctuating temperatures -12°F.
 Blooms mid May to end of May. Tolerant to Phytophthora.

Rhododendron Bosley-Dexter 1035.

RHODODENDRON BOSLEY-DEXTER 1035. (FORTUNEI 1035).

S8. JQVI. (3)1967, 15". (2)1970, (++)53"(1)1973
 (1)Fm. (1)1970, (1)Fm.

Blooms mid May to end of May. Good bloom 1973.

Rhododendron 'Boule de Neige'. (Ironclad). S45. O. (3)1960.

NP 1967

BOULE DE NEIGE RHODODENDRON. (3)1964.

S34. B5. (4)1966, 12". Ts 1971 JQVI. (++)23"-37"(4)1973

S19. JQV. (1)1966, 18". (++)37"(1)1973

S41. JQVI. (3)1966, 8". (++)25"-35"(3)1973

S34. JQVI. (4)1966, 12". Ts 1971 (++)39"(1)1973
 (1)43", (3)Re.

S41. JQVI. (2)1966, 8". (++)37"(2)1973

S52. B5. (3)1967, 8". (++)15"-17"(3)1973

S34. B5. (1)1967, 12". Ts 1971 JQV, 24". (++)24"(1)1973

S52. B5. (3)1967, 8". (++)10"-16"(3)1973

S45. B5. (1)1968, 15". Heavy bloom 1973. (++)26"(1)1973

S31. B5. (2)1968, 15". Ts 1971 JQV. Re 1972

S31. JQV. (5)1968, 12". (1)1970 Re. (++)26"-30"(4)1973

S48. JQV. (5)1969, 12". (++)26"-30"(5)1973

Fair bloom on larger plants since 1969 except 1972 when
 flower buds were killed 20% to 100% depending upon expo-
 sure. Extreme fluctuating temperatures -12°F. Blooms
 late May, early June. Some bushes broken in JQV and JQVI
 Spring 1972 by oak tree broken off during severe windstorm.

Rhododendron 'Boule de Rose'. S30. JQV. (3)1966, 12".

NP 1968

BOULE DE ROSE RHODODENDRON.

Rhododendron BPPM #29. S30. B5. (1)1966, 10".

(++)35"(1)1973

RHODODENDRON BPPM #29. Good bloom 1973.

Rhododendron brachycarpum. S41. B5. (9)1966, 6". (8)1968, (1)Re. (++)7"-19"(5)1973

FUJIYAMA RHODODENDRON. (5)1972, (3)Re.

No bloom to date.

Rhododendron brachycarpum rosaeflorum. S51. B5. (4)1969, 2".

(-)7"(1)1973

PINK FUJIYAMA RHODODENDRON. S51. B5. (3)1969, 2".

Fd Fc Fs 1972

Site poorly drained. Extreme
 fluctuating temperatures -12°F.

Status

- Rhododendron 'Brazil'. (Exbury). S41. JQV. (1)1969, 32". (++)48"(1)1973
 BRAZIL AZALEA. Good bloom each year since 1970. Blooms late May.
 Temperatures to -12°F. had no effect on plant.
- Rhododendron 'Bright Forecast'. (Exbury). S4. B5. (1)1969, 16". (++)22"(1)1973
 BRIGHT FORECAST AZALEA. Ts 1970 J10.
 Good bloom 1972 and 1973 mid May, early June.
 Temperatures to -12°F. had no effect on plant.
- Rhododendron 'Brown Eyes'. S8. JQV. (3)1967, 15". (1)1967 Re. (++)45"(2)1973
 BROWN EYES RHODODENDRON. Good bloom every year since 1969 except
 1972 when all flower buds were killed
 by extreme fluctuating weather. -12°F.
- Rhododendron 'Bryon Mayo'. (Knaphill-Exbury). S9. B5. (1)1969, 18". (++)24"(1)1973
 BRYON MAYO AZALEA. Site damp.
- Rhododendron 'Burnt Orange'. S41. JQV. (1)1969, 36". (++)58"(1)1973
 BURNT ORANGE AZALEA. Heavy bloom each year since 1970. Has been
 exposed to -12°F. with no effect on plant.
- Rhododendron 'Buttercup'. (Exbury). S4. B5. (2)1969, 14", 21". (++)18", 33"(2)1973
 BUTTERCUP AZALEA. Ts 1970 J10.
 Larger plant good bloom 1971, 1973.
 Blooms late May.
- Rhododendron 'Cadmium'. S47. B5. (3)1966, 15". (2)1968, (1)Re. (++)27", 32"(2)1973
 CADMIUM AZALEA. Ts 1970 J10.
 S47. B5. (4)1968, 10". Ts 1970 J10. (++)15"-20"(4)1973
 Good bloom 1970, 1971. Flower buds all killed 1972 ex-
 treme fluctuating temperatures Jan.-Feb. -12°F. Extra
 heavy bloom 1973. Blooms all of May.
- Rhododendron calendulaceum. S58. B5. (6)1968, 12". (1)1970, (5)Fs. (++)25"(1)1973
 FLAME AZALEA. Under spread Juglans nigra.
 S29. B5. (3)1969, 24". Ts 1970 J10. (++)27"-32"(3)1973
 Fair bloom 1971, 1972, good bloom 1973.
 Blooms late May, early June.
- Rhododendron 'Campfire'. S22. O. (5)1960. (+)24"(3)1973
 CAMPFIRE AZALEA. Two plants crowded out.

		<u>Status</u>
Rhododendron 'Caractacus'. CARACTACUS RHODODENDRON.	(Ironclad). Suk. O. (1)1956. Has survived -20°F.	(++)48"(1)1973
	S41. JQVI. (3)1966, 8". (1)1968, (2)Fd. Wet site.	Fs Fd 1969
	S52. B5. (3)1967, 10".	(++)16"-25"(3)1973
	S31. JQVI. (1)1968, 15".	(+)30"(1)1973
	S31. B5. (2)1968, 15".	(++)36"(2)1973
Full bloom 1973. Blooms late May, early June.		
Rhododendron 'Caroline'. CAROLINE RHODODENDRON.	S37. JQV. (3)1972, 26"-30". Site wet. Good bloom 1973, mid May. Resistant to Phytophthora.	(+)26"-29"(3)1973
Rhododendron carolineanum. CAROLINA RHODODENDRON.	Suk. O. (3)1930. Good bloom most years. Has survived temperatures to -20°F.	(++)5'-6'(3)1973
	S41. JQV. (3)1966, 15". (2)1968, (1)Fp. Set too deep.	(++)30"(2)1973
	S19. JQV. (2)1966, 15".	(++)33", 38"(2)1973
	S41. JQV. (1)1966, 24".	(++)72"(1)1973
	S19. JQV. (4)1966, 18". (2)1969 Fs. Sensitive fern choked them out.	(++)54", 61"(2)1973
	S3. B5. (5)1969, 16". Site wet. Phytophthora.	Fs Fd 1969
	S57. JQV. (1)1969, 20".	(+)32"(1)1973
	S42. JQV. (4)1970, 30". (1)1972 Fm.	(++)28"-37"(3)1973
Good bloom since 1969 on all plants 18" and larger. Blooms first half of May.		
Rhododendron carolineanum album. WHITE CAROLINA RHODODENDRON.	S30. JQV. (10)1966, 15". S30. JQV. (11)1966, 15". (10)1967, (1)Fd.	(++)20"-44"(8)1973 (++)29"-45"(10)1973 .
Good bloom every year since 1969. Blooms May.		
Rhododendron carolineanum album 'Glass'. GLASS WHITE CAROLINA RHODODENDRON.	S4. JQV. (3)1970, 18". Fair bloom 1971. Flower buds winter killed 1972 with extreme fluctuating temperatures Jan.-Feb. to -12°F. No bloom 1973.	(++)24"-34"(3)1973
Rhododendron 'Catalbunglas'. CATALBUNGLAS RHODODENDRON.	S30. JQV. (3)1966. Intense competition with other shrubs. Fair bloom 1971. 10% flower buds winter killed 1972 -12°F. Good bloom 1973. Blooms mid to late May.	(+)54"(3)1973

Status

Rhododendron catawbiense. S27. A2. (3)1921. (3)1964. Seedling Fs 1967
 CATAWBA RHODODENDRON. Juglans nigra grew
 up through planting.

S27. O. (1)1921. NP 1964
 Suk. O. (4)1949. (2)1951. Fs 1956
 Suk. O. (1)1952. (1)1964. Borers. Fi 1968
 Suk. Hl. (4)1953. Fp 1954

S31. B5. (3)1968, 24". Ts 1971 JQV. (++)37"-45"(3)1973
 Good bloom since 1970.
 Late May, early June.

S41. O. (2)1971, 24". Overwatered. Fp 1973

Rhododendron catawbiense album. (Ironclad).
 WHITE CATAWBA RHODODENDRON. Suk. O. (3)1930. (2)Fi. Borers. (++)6'(1)1973
 Suk. O. (2)1950. (++)6'(2)1973
 S41. JQVI. (3)1966, 12". Under Fs 1969
 spread J. nigra. Wet site.

S19. JQIV. (2)1966, 12". (1)Fs. (+)3'(1)1973
 Competition vegetation.

Suk. JQVI. (5)1966, 12". (2)1967, (-)25"-29"(2)1973
 (2)Fp. Set too deep,
 (1)Fs. Under J. nigra.

S52. B5. (3)1967, 8". (++)20"-28"(3)1973

S41. B5. (3)1969, 8". (2)1972, Fs 1973
 (1)Fs. Wet site.

S41. JQIIIA. (2)1970, 24", 30". (++)24", 36"(2)1973
 Exposed site.

All plants 24" and larger good bloom every year, early June.

Rhododendron catawbiense album 'Glass'. S30. B5. (1)1966, 12". (++)38"(1)1973
 GLASS WHITE CATAWBA RHODODENDRON. Ts 1971 JQIIIA.
 Exposed site.

S30. JQV. (3)1966, 12". (++)6'(3)1973

S41. JQVI. (1)1968, 36". (-)33"(1)1973
 Competition with estab-
 lished R. maximum and
 heavy growth of ferns.

Rhododendron catawbiense 'Boursault'. (Ironclad).
 BOURSALT RHODODENDRON. S19. JQV. (4)1966, 18". (++)6'(4)1973
 S19. JQV. (1)1966, 18". (++)6'(1)1973
 S41. JQV. (2)1966, 15". (++)6'(2)1973
 S41. JQV. (1)1966, 12". (++)6'(1)1973
 S53. JQIVA. (3)1969, 20". (++)32"-44"(3)1973
 Exposed site.

All plants good bloom since 1969, late May and early June.

Status

- Rhododendron catawbiense 'Grandiflorum'. (Ironclad).
GRANDIFLORUM CATAWBA RHODODENDRON. S41. JQIVA. (5)1971, 24". (++)27"-40"(5)1973
Exposed site.
Good bloom every year since 1971, early June.
- Rhododendron 'Cathye Mayo'. (Knaphill-Exbury). S9. B5. (1)1969, 19". (++)31"(1)1973
CATHYE MAYO AZALEA. Good bloom 1973.
- Rhododendron 'Cecile'. (Exbury). S4. B5. (1)1969, 7". Washed out Fw 1969
by flood.
CECILE AZALEA.
- Rhododendron 'Chamois'. S30. B5. (1)1966, 10". (+)23"(1)1973
CHAMOIS AZALEA.
- Rhododendron 'Charles Bagley'. (Ironclad). Suk. O. (3)1942. Fi 1967
CHARLES BAGLEY RHODODENDRON. Borers.
- Rhododendron 'Charles Dickens'. (Ironclad). Suk. O. (1)1942. (1)1964. Fi 1967
CHARLES DICKENS RHODODENDRON. Borers.
Suk. O. (1)1961. (++)4'(1)1973
- Rhododendron 'Chartreuse'. (Ilam). S24. B5. (1)1969, 12". (++)25"(1)1973
CHARTREUSE AZALEA. Ts 1971 J31.
No flower buds to date.
- Rhododendron 'Cheer'. S45. O. (1)1961. -20°F. Fc 1963
CHEER RHODODENDRON. S52. B5. (3)1967, 6". (2)1972, (1)Fs. Under (++)11"(2)1973
Juglans nigra.
- Rhododendron 'Cherado'. S47. JQIV. (3)1966, 15". Intense compe- (+)25"-30"(3)1973
tion with other vegetation.
CHERADO AZALEA.
- Rhododendron 'Chesterland'. S30. JQV. (1)1966, 30". (++)6'(1)1973
CHESTERLAND RHODODENDRON. Good bloom 1968, 1969, 1970. Very
good bloom 1971, 1973. Flower buds 50% winter
killed 1972 extreme fluctuating temperatures to
-12°F. Foliage extra green through most winters.
Blooms mid May to end of May.
- Rhododendron 'Chesterland' x 'America'. S40. JQV. (10)1970, 18". (++)30"-39"(8)1973
Good bloom every year since 1970. (1)Re 1970. (1)Re 1971.
Blooms mid May to late May.

Status

Rhododendron 'Chionoides'. S24. B3. (10)1967, 12". Ts(10)1972, (++)23"-30"(10)1973
 CHIONOIDES RHODODENDRON. JQVI.
 Fair bloom since 1968 except 75% flower buds killed 1972 Jan.-Feb. extreme fluctuating temperatures. -12°F.

Rhododendron 'Christine'. S19. JQVI. (2)1966, 12". (++)5"(2)1973
 CHRISTINE AZALEA. Good bloom since 1971. Blooms early to mid May.

Rhododendron 'Constance'. S47. JQV. (3)1966, 15". Set too deep. Fp 1967
 CONSTANCE AZALEA. S47. B5. (6)1968. (3)1970. (3)Fs. (++)19"-31"(3)1973
 Near roots Juglans nigra.

Rhododendron 'Copper Cloud'. (Ilam). S24. B5. (1)1969, 12". (++)39"(1)1973
 COPPER CLOUD AZALEA. Ts 1971 J31.
 Fair bloom 1972, good bloom 1973.
 Blooms late May.

Rhododendron 'Corringe'. (Exbury). S4. B5. (1)1969. Washed away Fw 1969
 CORRINGE AZALEA. by flood.

Rhododendron 'County of York'. S20. B5. (2)1968, 12". Good bloom (++)30"(2)1973
 COUNTY OF YORK RHODODENDRON. 1973.
 S41. B5. (5)1969, 10". (3)1971, (-)17"(3)1973
 (2)Fs Fd. Site wet and wilt infected.

Rhododendron 'Cream Puff'. S30. B5. (1)1966, 12". (+)17"(1)1973
 CREAM PUFF AZALEA.

Rhododendron 'Cunningham's White'. S54. O. (4)1958. (1)1963, (++)36"(1)1973
 CUNNINGHAM'S WHITE RHODODENDRON. (3)Fc. -20°F.
 S45. O. (4)1948. Killed with F 1972
 Simazine.
 S45. O. (2)1960. (++)24"(2)1973
 S18. JQVI. (7)1966, 8". (++)21"-28"(7)1973
 S48. B5. (1)1968. (++)29"(1)1973
 S53. JQIIIA. (3)1969, 13"-25". (++)31"-35"(3)1973
 Exposed site.

Fair bloom every year except 1972 when 50% to 100% flower buds killed by fluctuating temperatures Jan.-Feb. to -12°F. Depending on exposure, exposed plants 60% to 75% bud kill spring 1973. Some scattered bloom each fall. Blooms late April, early May.

Status

- Rhododendron dauricum. S30. B5. (3)1966, 12". (2)1970, (1)Fs. Un- (++)35", 45" (2)1973
 DAHURIAN RHODODENDRON. Ts 1971 J8. der Juglans nigra.
 S30. JQIII. (4)1969, 3 1/2'. (++)38"-67" (4)1973
 Good bloom since 1971, mid April, early May.
- Rhododendron dauricum, Dwarf Alpine. Suk. B3. 1925. Fs 1926
 DWARF ALPINE DAHURIAN RHODODENDRON. S30. B5. (9)1969, 2"-4". (-)5"-13" (3)1973
 (5)1972.
 Site became wet with wet weather 1972,
 1973. Plants deteriorated rapidly.
- Rhododendron 'David Gable'. S30. B5. (1)1966. (++)33" (1)1973
 DAVID GABLE RHODODENDRON. Good bloom 1973.
- Rhododendron delavayi. Suk. B3. 1925. Winter killed. Fc 1926
 ABBE DELAVAY RHODODENDRON.
- Rhododendron 'Desert Pink'. (Exbury). S4. J10. (1)1970, 21". (+)20" (1)1973
 DESERT PINK AZALEA. Bloom 1971, 1972. No flower buds 1973.
- Rhododendron 'Desiree'. S45. JQV. (16)1966, 12". (++)35"-61" (16)1973
 DESIREE AZALEA. Excellent bloom every year since 1968 with the
 exception of 1972 when 90% of flower buds were
 killed during extremely fluctuating tempera-
 tures in Jan.-Feb. to -12°F. Blooms mid May.
- Rhododendron 'Discamp Yellow'. S58. B12. (1)1972, 23". (++)24" (1)1973
 DISCAMP YELLOW RHODODENDRON. Good bloom late May.
- Rhododendron (discolor x 'Catalpa') x 'Morning Star'.
 S30. JQVI. (1)1969, 15". (++)24" (1)1973
- Rhododendron 'Dr. H. C. Dresselhuys'. Suk. O. 1956. Borers. Fi 1960
 DR. H. C. DRESSELHUYS RHODODENDRON.
- Rhododendron 'Dr. V. H. Rutgers'. S37. B5. (3)1969, 5"-9". (-)13", 15" (2)1973
 DR. V. H. RUTGERS RHODODENDRON. (2)1971, (1)Fd.
 Site poorly drained.

				<u>Status</u>
Rhododendron 'Edward S. Rand'.	Suk. O. 1956.	-14°F. Exposed site.		Fc Fs 1959
EDWARD S. RAND RHODODENDRON.	S37. B5. (2)1969, 4", 9".	Site poorly drained.		Fd Fs 1970
	S37. B5. (1)1971, 22".		(+)26"(1)1973	
Rhododendron 'Elie'.	S45. O. (1)1961.	-20°F.		Fc 1963
ELIE RHODODENDRON.	S52. B5. (3)1967, 8".	Under <u>Juglans nigra</u> .		Fs 1970
Rhododendron ellipticum.	S51. B5. (5)1972, 22"-30".	Alternate freezing and thawing winter and spring temperatures to -5°F. Bark split off.		Fc 1973
Rhododendron 'English Roseum'. (Ironclad).	Suk. O. (1)1930.		(++)6'(1)1973	
ENGLISH ROSEUM RHODODENDRON.	S41. JQVI. (9)1966, 15".		(++)41"-75"(7)1973	
	(2)1970 Fs. Wet.			
Good bloom every year late May, early June.				
Grootendorst strain is tolerant to Phytophthora.				
Rhododendron 'English Roseum', Bright rose pink.				
ROSE PINK ENGLISH ROSEUM RHODODENDRON.	S37. B5. (2)1969, 10".		(-)20"(1)1973	
	Site wet and infected with wilt.			
Rhododendron 'Everestianum'. (Ironclad).	Suk. O. (1)1930.			Fd 1954
EVERESTIANUM RHODODENDRON.	S30. JQV. (3)1966, 15".	(1)1969 Fs. Competition.	(++)34"-45"(2)1973	
	S48. JQV. (3)1966, 12".		(++)46"-56"(3)1973	
	S3. B5. (1)1969, 12".	Washed out by flood. Replanted but never recovered.		Fw 1969
	S34. JQIVA. (1)1968, 24".	Exposed site.	(+)33"(1)1973	
	S41. JQIVA. (4)1971, 24".	Exposed site.	(+)24"(4)1973	
Good bloom on plants 24" and larger since 1971.				
Bloom late May, early June.				
Rhododendron 'Exbury White'. (Exbury).	S4. B5. (1)1969, 19".		(++)31"(1)1973	
EXBURY WHITE AZALEA.		Ts 1970 J10.		
	S4. J10. (1)1970, 22".		(+)27"(1)1973	
Good bloom since 1972, mid to late May.				
Survived -12°F. with no damage.				

	<u>Status</u>
Rhododendron 'Fancy Free'. (Exbury). S4. B5. (1)1969, 17". FANCY FREE AZALEA. Ts 1970 J10. Good bloom since 1972. Blooms late May. Survived -12°F. with no damage.	(++)26"(1)1973
Rhododendron fastigiatum. S32. B5. (1)1971, 7". AUTUMN PURPLE RHODODENDRON.	(++)10"(1)1973
Rhododendron 'Favour Major'. (Exbury). S4. B5. (1)1969, 18". FAVOUR MAJOR AZALEA. Ts 1970 J10. Never broke bud after transplanting.	Fp 1970
Rhododendron 'Favrie Normale'. S50. B5. (1)1967. FAVRIE NORMALE RHODODENDRON.	(++)6"(1)1973
Rhododendron 'Fawley'. (Exbury). S4. B5. (1)1969, 15". FAWLEY AZALEA. Washed out by flood, replanted, never recovered.	Fw 1969
Rhododendron 'F. D. Goodman'. Suk. O. (1)1952. Borers. F. D. GOODMAN RHODODENDRON.	Fi 1956
Rhododendron 'Fireball'. (Knaphill-Exbury). S45. O. (5)1960. FIREBALL AZALEA. S19. O. (3)1969, 18". Ex- posed site. Good bloom most years. Survived temperatures to -20°F.	(+)24"(4)1973 (++)30"-42"(3)1973
Rhododendron 'Firefly'. (Exbury). S4. B5. (1)1969, 17". FIREFLY AZALEA. Ts 1970 J10. Fair bloom for first time 1973, middle to late May. Survived -12°F. with no damage.	(++)16"(1)1973
Rhododendron 'Fluffy Ruffles'. S30. JQV. (1)1966, 15". FLUFFY RUFFLES RHODODENDRON. Fair bloom each year since 1968.	(+)30"(1)1973
Rhododendron fortunei. S30. B5. (1)1966, 16" FORTUNE'S RHODODENDRON. B5. (1)1972, 26". Top dead, resprouted.	(++)43"(1)1973 (-)8"(1)1973
Rhododendron, Gable Hybrids. S26. O. (1)1960. GABLE AZALEAS. S26. O. (15)1960. Herbicide damage.	(++)30"(1)1973 (+)24"(3)1973

	<u>Status</u>
Rhododendron 'Gallipoli'. (Exbury). S4. J10. (1)1970, 11". GALLIPOLI AZALEA. No flower buds to date.	Broken off. (-)8"(1)1973
Rhododendron 'George Reynolds'. (Exbury). S4. B5. (2)1969, 10", 21". GEORGE REYNOLDS AZALEA. Ts 1970 J10. (1) never broke bud after trans- planting. No flower buds to date.	(++)20"(1)1973
Rhododendron 'Gibraltar'. (Exbury). S4. B5. (1)1969, 11". GIBRALTAR AZALEA. Ts 1970 J10. Good bloom 1972, 1973. Late May. Survived -12°F. with no damage.	(++)31"(1)1973
Rhododendron 'Ginger'. (Exbury). S4. B5. (1)1969, 22". GINGER AZALEA. Good bloom 1972, 1973. Mid to late May. Survived -12°F. with no damage.	(++)34"(1)1973
Rhododendron glomerulatum. S37. B5. (1)1972, 23".	(+)24"(1)1973
Rhododendron 'Gold Dust'. (Exbury). S4. B5. (1)1969, 15". GOLD DUST AZALEA. Ts 1970 J10. Good bloom past 3 years. Blooms mid May to late May. Survived -12°F. with no damage.	(++)51"(1)1973
Rhododendron 'Golden Girl'. (Exbury). S4. J10. (1)1970, 20". GOLDEN GIRL AZALEA. Good bloom past 3 years. Blooms late May. Has survived -12°F. with no damage.	(++)25"(1)1973
Rhododendron 'Golden Horn'. (Exbury). S4. B5. (1)1969, 16". GOLDEN HORN AZALEA. Ts 1970 J10. Good bloom past 3 years, late May. Has survived -12°F. with no damage.	(++)43"(1)1973
Rhododendron 'Gold Flake'. (Knaphill-Exbury). S9. B5. (1)1969, 15". GOLDFLAKE AZALEA. Has survived -12°F. with no damage.	(++)25"(1)1973
Rhododendron 'Goldie'. (Ilam). S24. B5. (1)1968, 12". Ts 1971 J31. GOLDIE AZALEA. Fair bloom 1971 and 1972, late May, early June. Cut by rabbits -- resprouting. Has survived temperatures -12°F. with no damage.	(++)17"(1)1973

Status

- Rhododendron 'Gomer Waterer'. (Ironclad). S31. B5. (2)1968, 15". (++)32", 35"(2)1973
GOMER WATERER RHODODENDRON. Good bloom 1973.
- Rhododendron 'Harvest Moon'. (Exbury). S4. J10. (1)1970, 17". (++)28"(1)1973
HARVEST MOON AZALEA. Good bloom past 2 years, late May. Has survived temperatures to -12°F. with no damage.
- Rhododendron 'Helen Curtis'. S45. B12. (1)1968, 15". Ts 1968. (++)30"(1)1973
HELEN CURTIS AZALEA. Spread 40" x 50". Excellent bloom, mid May to mid June. Excellent bloom 1971, 1973. All flower buds killed Jan.-Feb. 1972 extreme fluctuating temperatures to -12°F.
- Rhododendron 'Henrietta Sargent'. (Ironclad). S41. JQIVA. (2)1971, (+)25", 30"(2)1973
HENRIETTA SARGENT RHODODENDRON. 24". Exposed site. Good bloom 1971, 1972, 1973, early June.
- Rhododendron 'Hino-Pink'. S45. JQVII. (5)1966, 10". Re 1967
HINO-PINK AZALEA. S45. JQV. (8)1969, 14". (7)1969, (1)Re. (++)18"-24"(7)1973
Ts 1970 J10.
S45. B5. (6)1969, 12". Spread of 3'. (++)24"-28"(6)1973
Ts 1970 J10.
Excellent bloom every year since 1970 except 1972. Jan.-Feb. extremely fluctuating temperatures to -12°F.--all flower buds killed. Begin bloom early May and blooms most of month until end of May.
- Rhododendron 'Hino-Red'. S45. B12. (1)1968, 15". Ts 1971. (++)17"(1)1973
HINO-RED AZALEA. Spread of 40" x 50". Excellent bloom late April until mid May. All flower buds killed Jan.-Feb. 1972 extremely fluctuating temperatures to -12°F.
- Rhododendron 'Hino-Red'. (Pride Seedling). S41. B5. (1)1967, 18". (++)41"(1)1973
HINO-RED SEEDLING. Ts 1970 J10.
Excellent bloom 1971, 1973. All flower buds killed Jan.-Feb. 1972 extremely fluctuating temperatures to -12°F. Blooms mid to late May.
- Rhododendron 'Hino-White'. S45. B12. (1)1968, 15". (++)29"(1)1973
HINO-WHITE AZALEA. Good bloom 1970, 1971. All flower buds killed extremely fluctuating temperatures 1972 -12°F. 50% flower buds killed 1973 alternating freezing and thawing winter and spring.

				<u>Status</u>
Rhododendron hippophaeoides.	S47. B5. (1)1968.	-8°F.		Fc 1970
SEABUCKTHORN RHODODENDRON.				
Rhododendron 'Holden'.	S45. O. (1)1961.	-20°F.		Fc 1963
HOLDEN RHODODENDRON.	S52. B5. (3)1967, 8".	Near <u>Juglans nigra</u> .		Fs 1970
Rhododendron 'Honeysuckle'. (Exbury).	S4. B5. (1)1969, 22".		(++)31"(1)1973	
HONEYSUCKLE AZALEA.	No flower buds to date.	Ts 1970 J10.		
Rhododendron 'Hotspur A.M.'. (Exbury).	S4. J10. (1)1970, 16".	Shrub broken.	(+)12"(1)1973	
HOTSPUR A.M. AZALEA.	Light bloom first time 1973, late May.			
Rhododendron 'Hotspur Red'. (Exbury).	S4. B5. (1)1969, 12".		(++)30"(1)1973	
HOTSPUR RED AZALEA.	Ts 1970 J10.			
	Fair bloom 1971, good bloom 1972, fair bloom 1973, middle to late May. Survived temperatures to -12°F. with no injury.			
Rhododendron 'Hotspur Yellow'. (Exbury).	S4. B5. (2)1969, 4", 10".		Fw 1969	
HOTSPUR YELLOW AZALEA.	Washed out by flood, reset but never recovered.			
Rhododendron 'Hugh Wormald'. (Exbury).	S4. B5. (1)1969, 26".		(++)31"(1)1973	
HUGH WORMALD AZALEA.	Ts 1970 J10.			
	Good bloom 1971, 1972, 1973, mid May to early June. Survived temperatures to -12°F. with no damage.			
Rhododendron 'Ice Cube'. S45. B5. (1)1966, 12".	Ts 1969 JQV, 18".		Fp 1971	
ICE CUBE RHODODENDRON.	Set too deep.			
	S45. JQIV. (6)1967, 12".	(1)Re 1967.	(-)36"(1)1973	
		(4)Fd 1968.		
	Good bloom 1972, 1973. Late May, early June.			
Rhododendron 'Ignatius Sargent'. (Ironclad).				
IGNATIUS SARGENT RHODODENDRON.	S52. B5. (3)1967, 8".		(++)14"-28"(3)1973	
	S41. JQV. (1)1969, 42".	Fair bloom 1970, 1971. Good bloom 1972, 1973, late May. Protected site.	(++)64"(1)1973	
	S41. JQIVA. (1)1971, 36".	Good bloom 1972, 1973, early June. Exposed site.	(++)48"(1)1973	
	S37. O. (4)1970, 18".	Ts 1973 JQIVA.	(+)24"-37"(4)1973	
	Exposed site.			

Status

- Rhododendron 'Ilam Red'. (Ilam). S41. JQIV. (3)1966, 8". (++)36"-48"(3)1973
 ILAM RED AZALEA. Fair bloom 1968, good bloom each year
 1969-73. Blooms mid May to late May.
- Rhododendron impeditum. S5. B5. (10)1968. (9)1969. Sensitive Fc 1970
 CLOUDLAND RHODODENDRON. to wind. Temperature -12°F.
 S5. B5. (10)1971, 8"-13". (-)9"-12"(9)1973
 Foliage killed each winter from 0% to 80%. Especially
 injured during alternate freezing and thawing periods
 in Jan. & Feb. to -12°F. Scattered bloom late April.
- Rhododendron indicum. S51. B5. (2)1969, 12", 17". Fc 1971
 INDICA AZALEA. Tops killed back each winter. Killed back
 to 3" with -8°F. Completely killed follow-
 ing winter -5°F.
- Rhododendron 'Indie'. S47. JQIV. (3)1966, 15". (-)21"-39"(3)1973
 INDIE RHODODENDRON. Growing in severe competition
 with other vegetation.
- Rhododendron, Island Gardens hybrids. S23. B5. (12)1967, 10". (++)20"-49"(11)1973
 Island Gardens hybrid azaleas. Ts 1970 J8.
 Susceptible to cutting by rabbits, unless
 sprayed with repellent. Fair bloom mid May.
- Rhododendron 'Janet Blair'. S30. JQV. (1)1966, 24". Protected (++)64"(1)1973
 JANET BLAIR RHODODENDRON. site.
 Good bloom 1968, 1969, 1970. Excellent bloom each year
 since except 1972 when all flower buds were killed by ex-
 treme fluctuating temperatures to -12°F. Blooms mid May
 to end of May. Leaves retain green color all winter.
- S30. JQV. (1)1966. Ts(1)1968 B12, 36". Exposed to (++)41"(1)1973
 some wind.
 Spread 53" x 74". Good bloom 1969, 1970, 1971.
 All flower buds killed 1972 -12°F. Excellent
 bloom 1973, a few flower buds killed on side
 exposed to winds and winter sunshine.
- Rhododendron 'Jean Allen'. S41. JQV. (1)1969, 32". (++)62"(1)1973
 JEAN ALLEN AZALEA. Good bloom 1970, 1971, excellent bloom
 1972, 1973. Blooms late May. Has sur-
 vived -12°F. with no damage.
- Rhododendron 'J. Jennings'. (Exbury). S4. J10. (1)1970, 22". (++)26"(1)1973
 J. JENNINGS AZALEA. Fair bloom 1971, good bloom 1972,
 excellent bloom 1973, mid May.
 Has survived -12°F. with no damage.

Status

- Rhododendron kanehirai. S51. B5. (4)1972, 15"-27". Fc 1973
Winter temperatures -5°F. Bark loose from alternate
thawing and freezing during winter and early spring.
- Rhododendron 'Kathy'. S19. JQVI. (3)1966, 12". (++)34"-53"(3)1973
KATHY AZALEA. S19. B12. (1)1969, 23". Ts 1971. (++)30"(1)1973
(1973 spread 39" x 54")
Good bloom each year since 1970 except 1972 when all flower
buds were winter killed by extremely fluctuating tempera-
tures Jan.-Feb. to -12°F. Bloom mid May to early June.
- Rhododendron 'King Tut'. S45. O. (1)1961. -20°F. 1963. Fc 1963
KING TUT RHODODENDRON. S45. B5. (2)1968, 20". Ts 1970 JQV. (++)42"(2)1973
S52. B5. (3)1967, 15". (++)18"-23"(3)1973
S58. B5. (1)1967, 10". Ts 1971 JQV. (++)30"(1)1973
Protected site.
Good bloom 1972, 1973.
Mid May, late May.
S45. B5. (13)1968, 20". Ts 1970 JQVA. (++)20"-38"(10)1973
Exposed site. (3)Re 1972.
Good bloom 1972, fair bloom 1973. Late May, early June.
- Rhododendron kiusianum. S51. B5. (3)1969, 10"-21". (2)1972, (1)Re. (-)7"(1)1973
KIUSIANUM AZALEA. (1)Re 1973.
Site poorly drained, kill back each winter.
Plants became shorter each year.
- Rhododendron 'Klondyke'. (Exbury). S4. J10. (1)1970, 17". (++)33"(1)1973
KLONDYKE AZALEA. Good bloom 1972, excellent bloom 1973, mid
to late May. Survived -12°F. with no damage.
- Rhododendron 'Lady Armstrong'. (Ironclad). S41. JQVI. (1)1969, 26". (++)48"(1)1973
LADY ARMSTRONG RHODODENDRON. S41. JQIVA. (3)1971, 30". Ex- (+)28"-46"(3)1973
posed site.
Good bloom 1972, 1973.
Early June.
- Rhododendron 'Lake Erie'. S47. B5. (3)1966, 15". (++)29"-37"(3)1973
LAKE ERIE AZALEA. Ts 1971 J6, 30".
Good bloom 1970, 1971, 1972, excellent bloom 1973.
Blooms mid May to late May. 1972 -- 50% of flower
buds killed by extremely fluctuating temperatures
Jan.-Feb. to -12°F., enough flower buds remained
to have good bloom.

Status

- Rhododendron 'Lake Michigan'. S47. B5. (3)1966, 15". (++)44"-60"(3)1973
LAKE MICHIGAN AZALEA. Ts 1971 J6, 36".
Good bloom 1970, 1971, 1972, excellent bloom 1973.
Blooms mid May to late May. 1972 -- 75% of flower
buds killed by extremely fluctuating temperatures
Jan.-Feb. to -12°F., enough flower buds remained
to have good bloom.
- Rhododendron 'Lake Ontario'. S47. B5. (3)1966, 15". (++)39"(3)1973
LAKE ONTARIO AZALEA. Ts 1971 J6, 36".
Good bloom 1970, 1971, 1972, excellent bloom 1973.
Blooms late April to mid May. 1972 -- 50% of flower
buds killed by extremely fluctuating temperatures
Jan.-Feb. to -12°F., enough flower buds remained
to have good bloom.
- Rhododendron 'Lake St. Clair'. S47. B5. (3)1966, 15". (++)62"(3)1973
LAKE ST. CLAIR AZALEA. Ts 1971 J6, 36".
Good bloom 1970, 1971, 1972, excellent bloom 1973.
Blooms late April to mid May. 1972 -- 75% of flower
buds killed by extremely fluctuating temperatures
Jan.-Feb. to -12°F., enough flower buds remained
to have good bloom.
- Rhododendron 'Lake Superior'. S47. B5. (3)1966, 15". (++)50"(3)1973
LAKE SUPERIOR AZALEA. Ts 1971 J6, 36".
Good bloom 1970, 1971, 1972, excellent bloom 1973.
Blooms late April to mid May. 1972 -- 75% of flower
buds killed by extremely fluctuating temperatures
Jan.-Feb. to -12°F., enough flower buds remained
to have good bloom.
- Rhododendron 'Lavender Princess'. S30. JQV. (1)1966, 24". (++)64"(1)1973
LAVENDER PRINCESS RHODODENDRON.
Fair bloom 1971, good bloom 1973. Flower buds all
killed Jan.-Feb. 1972 extremely fluctuating tempera-
tures to -12°F. Blooms mid May to late May.
- Rhododendron 'Lavender Queen'. S52. B5. (3)1967, 8". (++)22"-27"(3)1973
LAVENDER QUEEN RHODODENDRON. S37. JQV. (7)1970, 18". Fair (++)26"-47"(7)1973
Blooms late May. bloom 1972, 1973.
- Rhododendron 'Lee's Dark Purple'. (Ironclad). Suk. O. (1)1952. (++)6'(1)1973
LEE'S DARK PURPLE. Blooms mid May. Has survived -20°F.

			<u>Status</u>
Rhododendron 'Lee Tai'. LEE TAI RHODODENDRON.	S47. JQV. (3)1966, 15". (2)1969 Fs. Too much competition with other shrubs.		(-)38"(1)1973
Rhododendron 'Lemon Ice'. LEMON ICE RHODODENDRON.	S8. B5. (3)1967, 15". (1)Fc 1970. -12°F. Ts 1971 JQV, 30". Crowded out by <u>Onoclea sensibilis</u> . Suk. B5. (1)1967, 15". Ts(1)1971 JQV, 30".	Fs 1972	(++)39"(1)1973
Rhododendron 'Lila'. (Knaphill-Exbury). LILA AZALEA.	S9. B5. (1)1969, 25". Good bloom 1973.		(++)28"(1)1973
Rhododendron 'Lodestar'. LODESTAR RHODODENDRON.	S48. JQV. (1)1970, 48". Good bloom each year since 1970, mid May to early June. Has survived tem- peratures to -12°F. with no damage.		(++)48"(1)1973
Rhododendron 'Louise Gable'. LOUISE GABLE AZALEA.	Suk. O. 1960. S34. B5. (5)1968, 10". Ts 1970 J10. 75% flower buds killed Jan.-Feb. 1970 extremely fluctuating temperatures to -12°F. Excellent bloom 1973, late May.		(++)36"(1)1973 (++)21"(5)1973
Rhododendron luteum. PONTIC AZALEA.	S27. A2. (6)1921. (1)1969. <u>Juglans nigra</u> grew up through plantings. Had survived temperatures to -20°F.	Fs 1971	
Rhododendron macrantha.	S32. B5. (3)1971, 8"-10". Extremely fluctuating temperatures Jan.-Feb. to -12°F. Bark split off.	Fc 1972	
Rhododendron 'Maori'. MAORI AZALEA.	S30. B5. (1)1966. Top dead 1968. Ts 1970. Resprouted. Under <u>Juglans nigra</u> . Ts 1970 to new location.		(+)17"(1)1973
Rhododendron 'Marina'. (Exbury). MARINA AZALEA.	S23. B5. (1)1967, 10". Ts 1970 J10. S4. J10. (1)1970, 17". Good bloom 1971, 1972, 1973, mid May to early June. Has survived -12°F. with no damage.		(++)37"(1)1973 (++)39"(1)1973

Status

Rhododendron ('Mars' x catawbiense var. rubrum). S30. JQIVA. (+)40"(1)1973
(1)1969, 40".

Excellent bloom 1969, 1970, good bloom 1971, 1972,
late May, early June. Exposed site.

Rhododendron 'Mary Claire'. (Exbury). S4. B5. (1)1969, 24". Fm 1971
MARY CLAIRE AZALEA. Ts 1970 J10.

Rhododendron 'Mary Yates'. S58. B12. (1)1972, 36". (++)37"(1)1973
MARY YATES RHODODENDRON. Good bloom early May.

Rhododendron maximum. S27. JQIV. 1917. Set in ravine. (++)30"-82"(3)1973
ROSEBAY RHODODENDRON. S27. JQV. 1917. Set on East slope. (++)4'-6'(3)1973
S27. JQVI. 1917. Set on East slope. (++)5'-8'(18)1973
S27. JQVI. 1917. Set on East slope. (++)3'-8'(10)1973
S27. K4. 1917. Set north edge of woods at base of north slope. (++)7'-13'(3)1973
In deep shade.
S27. K4. 1917. Damaged by fallen tree. (++)4'-10'(4)1973
S27. K4. 1917. Damaged by fallen tree. (++)4'-11'(6)1973
S27. K4. 1917. Set at base of North slope. (++)7'(1)1973
S27. K4. 1917. North slope. (++)12'-16'(18)1973
S27. K5. 1917. North slope. (++)6'-15'(13)1973
S27. J37. 1917. East slope. (++)6'-12'(44)1973
S27. J37. 1917. In ravine near wet weather creek. (++)6'-9'(6)1973

Plants under 5' tall have either fallen over or have been broken off in the past by falling limbs or trees. All plants are understory plantings. Plants have all survived temperatures to -12°F. Plants in dense shade do not have too many flowers; plants themselves are "leggy." Have survived the competition of other woodland plantings with no cultural practices.

Suk. A2. (12)1921. (4)1964. Juglans nigra Fs 1968
grew up through planting.

Suk. O. (3) 1930. (2)1968. (++)7'(2)1973

S21. B5. (14)1969, 2"-7". (7)Fw 1969. Fs Fp 1970
Washed out by flood. Site too wet, plants too small. Wild seedlings.

S44. B5. (3)1969, 6"-13". Site poorly drained, Fs Fp 1970
plants too small. Wild seedlings.

S21. B5. (3)1969, 12"-17". Site poorly drained. (+)17"(1)1973

Fair to good bloom each year mid June, early July. Seedlings pulled from the wild did not survive as well as plants propagated in nursery.

			<u>Status</u>
Rhododendron maximum 'Leachi'. LEACH ROSEBAY RHODODENDRON.	S30. B5. (1)1966, 36". Scattered bloom. Was growing under <u>Juglans nigra</u> and was gradually dy- ing. Ts 1971 away from <u>J. nigra</u> . Has partially recovered.	Ts 1971.	(+)43"(1)1973
Rhododendron maximum roseum. PINK ROSEBAY RHODODENDRON.	S47. B5. (1)1968. Was growing under <u>Juglans nigra</u> and was gradually dying. Ts to new site. Has partially recovered.	Ts 1971.	(+)44"(1)1973
Rhododendron 'Medford Red'. (Ilam). MEDFORD RED AZALEA.	S24. B5. (1)1969, 12". Ts 1971 J31. Fair bloom 1972. No flower buds 1973.		(++)36"(1)1973
Rhododendron 'Mrs. Charles S. Sargent'. (Ironclad). MRS. CHARLES S. SARGENT RHODODENDRON.	Suk. O. 1952. 1964. S8. O. (2)1958. Killed with Simazine. S45. O. (2)1960. Suk. O. (1)1960. Damaged by Simazine. Suk. O. (1)1961. Borers. S41. JQVI. (3)1966, 10". S41. JQV. (1)1969, 34". S41. JQIVA. (3)1971, 24". Exposed site.		NP 1967 Re 1972 (++)3'(2)1973 (-)3'(1)1973 Fi 1967 (++)43"-48"(3)1973 (++)52"(1)1973 (++)33"-47"(3)1973
Good bloom every year except 1972 when there was extremely fluctuating temperatures in Jan.-Feb. to -12°F. 75%-100% flower buds killed on exposed sites, 5% flower buds killed on protected sites. Blooms late May, early June. Has sur- vived temperatures to -20°F.			
Rhododendron 'Mrs. P. den Ouden'. MRS. P. DEN OUDEN RHODODENDRON.	S37. B5. (2)1969, 8", 12". Site poorly drained.		Fs Fd 1970
Rhododendron mucronulatum.	Suk. H. 1930. S53. O. (1)1972, 30".		Fp 1931 (++)32"(1)1973
Rhododendron mucronulatum var. ciliatum. FRINGELEAF KOREAN RHODODENDRON.	S51. B5. (2)1969, 7", 15". S51. B5. (3)1969, 12". Top kill each winter.		(-)3"(1)1973 Fs 1970 Sites poorly drained.

Status

- Rhododendron 'Myrtleleaf'. S47. B5. (3)1966, 15". Ts, 1971 J6. (++)24"(3)1973
MYRTLELEAF AZALEA. Good bloom 1970, 1971, 1973. 1972 -- 100% flower
buds killed, 50% tips of twigs killed by ex-
tremely fluctuating temperatures to -12°F.
Blooms mid May.
- Rhododendron 'Nancy Buchanan'. (Exbury). S4. B5. (1)1969, 19". (++)36"(1)1973
NANCY BUCHANNAN AZALEA. Ts 1970 J10.
Good bloom 1972, 1973. Mid to late May. Has
survived temperatures to -12°F. with no damage.
- Rhododendron 'Nova Zembla'. (Ironclad). S34. JQVI. (6)1966, 12". (++)40"-72"(5)1973
NOVA ZEMBLA RHODODENDRON. (5)1970, (1)Fm.
S41. JQVI. (3)1966, 8". (++)58"-69"(3)1973
S52. B5. (3)1967, 8". Good bloom (++)25"(3)1973
1973.
S3. B5. (1)1968, 12". Site poorly drained. Fs 1970
S53. JQVA. (17)1969, 30". Ex- (++)20"-48"(17)1973
posed windy site.
Good bloom every year since 1969. Mid to late May.
On exposed site, blooms later.
- Rhododendron nudiflorum. S29. B5. (4)1969, 10"-44". (++)33"-39"(4)1973
PINXTERBLOOM AZALEA. Ts 1970 J10.
Fair bloom 1970, 1971, good bloom 1972, 1973.
Early to late May.
- Rhododendron NYBD #11. S30. B5. (1)1966, 12". (++)35"(1)1973
NYBD #11 RHODODENDRON. Good bloom 1973.
- Rhododendron obtusum 'Kaempferi'. S38. A2. (1)1964. Fs 1969
TORCH AZALEA. Under Juglans nigra.
- Rhododendron 'Old Gold'. (Exbury). S4. B5. (1)1969, 21". (++)46"(1)1973
OLD GOLD AZALEA. Ts 1970 J10.
Good bloom 1971, 1972, excellent bloom 1973.
Blooms late May. Has survived -12°F. with
no damage.

	<u>Status</u>
Rhododendron 'Orange Ball'. (Ilam). S24. B5. (1)1969. Ts 1971 J31. ORANGE BALL AZALEA.	Re 1972
Rhododendron 'Orange Beauty'. S41. J10. (1)1970, 30". ORANGE BEAUTY AZALEA. Good bloom 1973. Mid May.	(++)27"(1)1973
Rhododendron oreotrephes. S37. B5. (2)1972, 43", 51". OREAD RHODODENDRON. Winter killed, one resprouting. Alter- nate thawing and freezing periods to -5°F. winter and spring.	(-)33"(1)1973
Rhododendron 'Orient'. (Exbury). S4. J10. (1)1970, 16". ORIENT AZALEA. Good bloom 1972, no flower buds 1973. Has survived -12°F. with no damage.	(++)19"(1)1973
Rhododendron 'Oxydol'. (Exbury). S4. J10. (1)1970, 14". OXYDOL RHODODENDRON. Good bloom 1972.	Fm 1973
Rhododendron 'Parsons Gloriosum'. (Ironclad). Suk. O. 1930. PARSONS GLORIOSUM RHODODENDRON. Suk. O. 1961.	Fd 1952 Fi 1968
S52. B5. (3)1967, 8". S37. B5. (2)1969, 7", 4". Poorly drained site.	(++)16"-24"(3)1973 Fs 1973
Rhododendron 'Parsons Grandiflorum'. (Ironclad). Suk. O. 1942. Borers. PARSONS GRANDIFLORUM RHODODENDRON. Suk. O. (2)1961.	Fi 1967 (++)5' (2)1973
S41. JQV. (1)1970, 54".	(++)56"(1)1973
Rhododendron 'Peach Sunset'. (Ilam). S24. B5. (1)1968, 12". PEACH SUNSET AZALEA. Ts 1971 J31. Plant was originally too leggy, has fallen over and is resprouting into heavier bush. No flower buds until 1973, fair bloom. Has survived tem- peratures to -12°F. with no injury.	(++)10"(1)1973
Rhododendron 'Pink Cameo'. S45. O. (1)1961. -20°F. Exposed site. PINK CAMEO RHODODENDRON.	Fc 1963
Rhododendron 'Pink Dawn'. S45. O. (2)1961. -20°F. PINK DAWN RHODODENDRON.	Fc 1963

		<u>Status</u>
Rhododendron 'Pink Delight'. (Exbury). S4. J10. (1)1970, 19".		(+)15"(1)1973
PINK DELIGHT AZALEA.	No flower buds to date.	
Rhododendron 'Pink Plush'. S30. B5. (1)1966, 10". Ts 1971 J8.		(++)28"(1)1973
PINK PLUSH AZALEA.	Free from Powdery Mildew during 2 years of observation.	
Rhododendron 'Pink Puff'. S30. B5. (1)1966, 10". Ts 1971 J8.		(++)51"(1)1973
PINK PUFF AZALEA.	Good bloom 1972, 1973. Early July. Survived -12°F. with no damage.	
Rhododendron 'Pink Punch'. S58. B12. (1)1972, 18".		(++)23"(1)1973
PINK PUNCH RHODODENDRON.	No flower buds.	
Rhododendron 'Pink Satin'. S45. O. (1)1961.	-20°F.	Fc 1963
PINK SATIN RHODODENDRON.		
Rhododendron 'Pinnacle'. S45. O. (2)1961.	-20°F.	Fc 1963
PINNACLE RHODODENDRON.	S45. JQVI. (8)1966, 15". (7)1968. (6)1969, (2)Fd Fs. (3)1971, (3)Fd Fs.	(-)38"-48"(3)1973
	Site wet alongside wet weather creek. Good bloom 1972, fair bloom 1973. Mid May to late May.	
	S52. B5. (3)1967, 8". Under <u>Juglans nigra</u> .	Fs 1969
Rhododendron 'Pioneer'. S31. B5. (1)1968. Ts 1971 J8, 36".		(++)53"(1)1973
PIONEER RHODODENDRON.	S32. B5. (1)1968.	(++)28"(1)1973
	Fair bloom 1969, 1970, 1971. 1972 all flower buds winter killed extremely fluctuating temperatures to -12°F. 1973 buds and tips winter killed alternate periods freezing and thawing winter and spring.	
Rhododendron 'P.J.M.'. (P. J. Mezzitt). S52. B5. (3)1967, 8".		(+)19", 26"(2)1973
P.J.M. RHODODENDRON.	(2)1970, (1)Fs. <u>Juglans nigra</u> .	
	S45. JQIV. (8)1968, 12".	(++)29"-52"(8)1973
	S32. B5. (1)1971.	(++)46"(1)1973
	Good bloom every year. Mid April to early May.	

		<u>Status</u>
Rhododendron 'P.J.M.' grex. P.J.M. RHODODENDRON seedling.	S30. JQIV. (2)1966. Good bloom every year. Mid April to early May.	(++)50"(2)1973
Rhododendron 'President Lincoln'. (Ironclad). PRESIDENT LINCOLN RHODODENDRON.	S37. B5. (3)1967, 8". Under <u>Juglans nigra</u> . S37. B5. (2)1969, 9". Wet site, root rot. S37. O. (3)1970. Ts 1973 JQIVA. Exposed site. S37. O. (1)1970. Ts 1973 JQIIIA. Exposed site.	Fs 1970 Fs Fd 1971 (+)18"-37"(3)1973 (+)31"(1)1973
Rhododendron, Pride seedling. PRIDE SEEDLING AZALEA.	S41. B5. (1)1967. Ts 1970 J10.	(++)29"(1)1973
Rhododendron 'Primrose'. (Ilam). PRIMROSE AZALEA. Fair bloom 1973, mid May.	S24. B5. (1)1969, 12". Ts 1971 J31.	(++)36"(1)1973
Rhododendron 'Prize'. PRIZE RHODODENDRON.	S45. O. (1)1961. -20°F. S52. B5. (3)1967, 8". Underneath <u>J. nigra</u> . S45. JQV. (2)1968, 15". Too much competi- tion with other shrubs. S15. JQV. (1)1968, 18". Too much competi- tion with other shrubs. Good bloom 1971, 1972. Flower buds killed winter 1972-73 alternating periods of freezing and thawing. Tolerant to Phytophthora.	Fc 1963 Fs 1970 (+)33", 35"(2)1973 (+)28"(1)1973
Rhododendron 'Purpureum Elegans'. (Ironclad). PURPUREUM ELEGANS RHODODENDRON.	Suk. O. (1)1930. S37. B5. (2)1969, 9", 13". Site poorly drained. S41. JQIVA. (1)1970, 24". S37. O. (1)1970. Ts 1973 JQIVA. Exposed site.	(++)6'(1)1973 (+)13", 17"(2)1973 (+)28"(1)1973 (+)21"(1)1973
Rhododendron 'Purpureum Grandiflorum'. (Ironclad). PURPUREUM GRANDIFLORUM RHODODENDRON.	S26. O. (5)1960. Herbicide damage. Suk. O. (1)1961. Borers. Good bloom each year. Late May, early June.	(++)2'(3)1973 Fi 1967

Status

Rhododendron R3. S30. B5. (1)1966, 36". Canker at base. Fd 1970
R3 RHODODENDRON.

Rhododendron RAF 18. S16. JQV. (3)1969, 28". (++)33"-35"(2)1973
Good bloom 1969, 1970, 1971. All flower buds killed
fluctuating temperatures 1972 to -12°F. Flower
buds killed fluctuating spring temperatures 1973.
Shrub not damaged.

Rhododendron 'Ramapo'. S32. B5. (1)1970. (++)8"(1)1973
RAMAPO RHODODENDRON. Good bloom mid April to early May.

Rhododendron 'Red Letter'. (Ilam). S24. B5. (1)1969, 12". Ts 1971. Re 1973
RED LETTER AZALEA. No flower buds.

Rhododendron 'Red Letter', seedling. S19. JQV. (2)1969, 27". (++)43", 39"(2)1973
RED LETTER, seedling azalea. Good bloom since 1970, late May.
Survived -12°F. with no damage.

Rhododendron 'Rennie'. (Exbury). S4. J10. (1)1970, 17". (++)24"(1)1973
RENNIE AZALEA. Flower buds killed 1972, extremely fluctuating
temperatures to -12°F. Fair bloom late May 1973.

Rhododendron reticulatum. S33. B5. (1)1969, 3". Fw 1970
ROSE AZALEA. Washed out by flood, reset, never recovered.

Rhododendron 'Robert Allison'. S30. B5. (1)1966, 36". Damaged by (++)47"(1)1973
ROBERT ALLISON RHODODENDRON. Juglans nigra. Ts 1971.
Good bloom 1973. Has survived -12°F.

Rhododendron 'Rochelle'. S30. B5. (1)1966, 30". (++)44"(1)1973
ROCHELLE RHODODENDRON. Excellent bloom 1973.

Rhododendron 'Rocket'. S45. O. (1)1961. -20°F. Fc 1963
ROCKET RHODODENDRON. S52. B5. (3)1967. (1)1969, (2)Fc. -12°F. (++)21"(1)1973
Excellent bloom 1973, mid to late May.
Tolerant to Phytophthora.

Status

- Rhododendron 'Rosebud'. (Gable). S45. B5. (3)1969, 18". (++)25"-29"(3)1973
ROSEBUD AZALEA. Ts 1970 J10.
Good bloom 1971, excellent bloom 1973. 1972 flower
buds killed by extremely fluctuating temperatures
to -12°F. Blooms mid May to late May.
- Rhododendron roseum. S29. B5. (3)1969, 20"-27". Ts 1970 J10. (++)24"-30"(3)1973
ROSESHELL AZALEA. Fair bloom 1970, 1971, good bloom
1972, 1973. Early to late May.
- Rhododendron 'Roseum Elegans'. (Ironclad). S22. O. (5)1960. (++)48"(5)1973
ROSEUM ELEGANS RHODODENDRON. Suk. O. (2)1961. (1)1967, (1)Fi. (++)48"(1)1973
S41. JQVI. (4)1966, 12". (++)78"(2)1973
(2)1971, (2)Re, Fs.
S41. JQVI. (2)1966, 15". Too wet. Fs Fd 1972
S52. B5. (3)1967, 8". Ts 1972 (++)14"-24"(3)1973
JQIVA. Exposed site.
S53. JQIVA. (1)1969, 25". (++)40"(1)1973
Exposed site.
S53. O. (1)1972, 30". (++)32"(1)1973
Good bloom each year. Late May, early June.
Quite extensively planted around Wooster.
- Rhododendron 'Roseum Pink'. S57. JQV. (1)1969, 34". (++)58"(1)1973
ROSEUM PINK RHODODENDRON. Good bloom each year since 1969.
Late May, early June.
- Rhododendron 'Roseum Superbum'. (Ironclad). S45. O. (1)1961. (++)48"(1)1973
ROSEUM SUPERBUM RHODODENDRON. S57. JQV. (1)1969, 34". (++)58"(1)1973
Fair bloom late May.
- Rhododendron 'Royal Lodge'. (Exbury). S4. B5. (1)1969, 30". (+)29"(1)1973
ROYAL LODGE AZALEA. Ts 1970 J10.
Good bloom 1972. Has survived temperatures to -12°F.
- Rhododendron rubropilsum. S51. B5. (1)1972, 26". Fc 1972
To -5°F., alternate freezing and thawing.

Status

Rhododendron 'Sand Dune'. (Exbury). S4. J10. (1)1970, 20". Fm 1970
SAND DUNE AZALEA.

Rhododendron 'Sandra Marie'. (Knaphill-Exbury). S9. B5. (1)1969. (+)17"(1)1973
SANDRA MARIE AZALEA.

Rhododendron 'Scarlet Pimpernel'. (Exbury). S4. J10. (1)1970, 14". Fp 1971
SCARLET PIMPERNEL AZALEA.

Rhododendron, Schmidt seedling. S43. B5. (1)1968. Ts 1970 J10. (++)23"(1)1973
Schmidt Azalea seedling. White. Excellent bloom 1973.
Late May.

Rhododendron 'Sham's Juliet'. S45. JQV. (1)1970, 30". Fp 1970
SHAM'S JULIET RHODODENDRON. Never recovered Ts.

Rhododendron 'Sham's Pink'. S45. JQVI. (8)1966, 10". (6)1967, (++)28"(3)1973
SHAM'S PINK RHODODENDRON. (1)Re, (1)Fp. (3)1968, (3)Fm.
S45. JQVI. (2)1966, 12". Heavy competition with ferns. (+)26"(2)1973
Fair bloom since 1968, mid May.
Plants have heavy competition
from established larger plants.
S45. JQVI. (4)1968, 15". (2)1970, (+)24"-31"(2)1973
(2)Fs. Competition
with ferns.

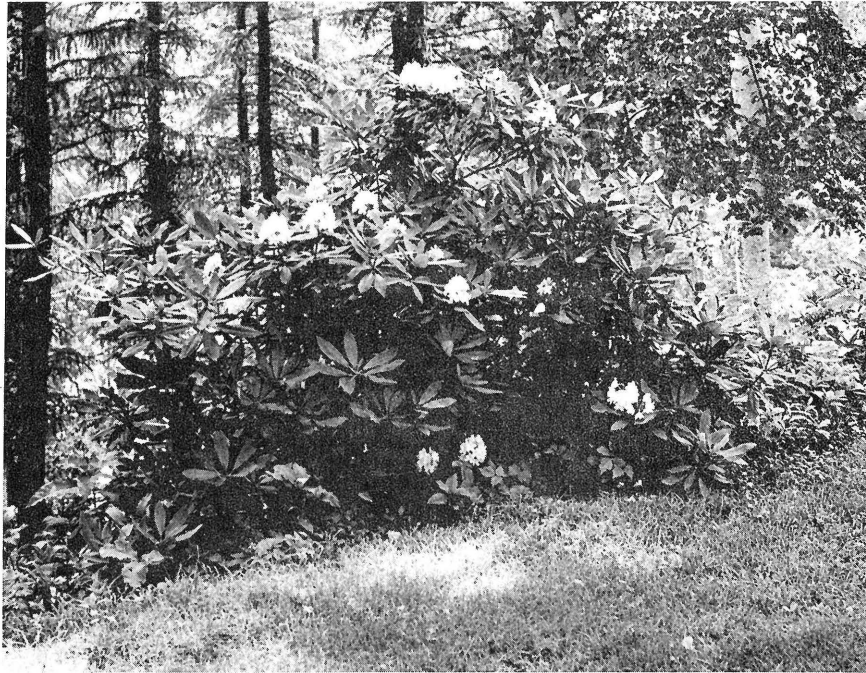
Rhododendron 'Sham's Ruby'. S45. O. (2)1961. -20°F. Fc 1963
SHAM'S RUBY RHODODENDRON. S45. JQV. (5)1966, 15". (++)39"-43"(4)1973
(4)1966, (1)Re.
S45. JQV. (1)1968, 15". (++)30"(1)1973
Good bloom 1968, 1969. Excellent bloom since 1969,
mid to late May. Plants on exposed site had up to
25% of flower buds killed 1972, plants on protected
site no bud kill.

Rhododendron 'Shawnee'. S47. JQIV. (3)1966, 15". (1)Fm. (++)26"(2)1973
SHAWNEE AZALEA. S47. B5. (3)1969. Ts 1970 J10. (++)9"-16"(3)1973
Cut by rabbits unless repellent is used. Fair bloom 1970, 1971.
50% flower buds killed 1972 extremely fluctuating temperatures
to -12°F. Good bloom 1973, mid to late May.

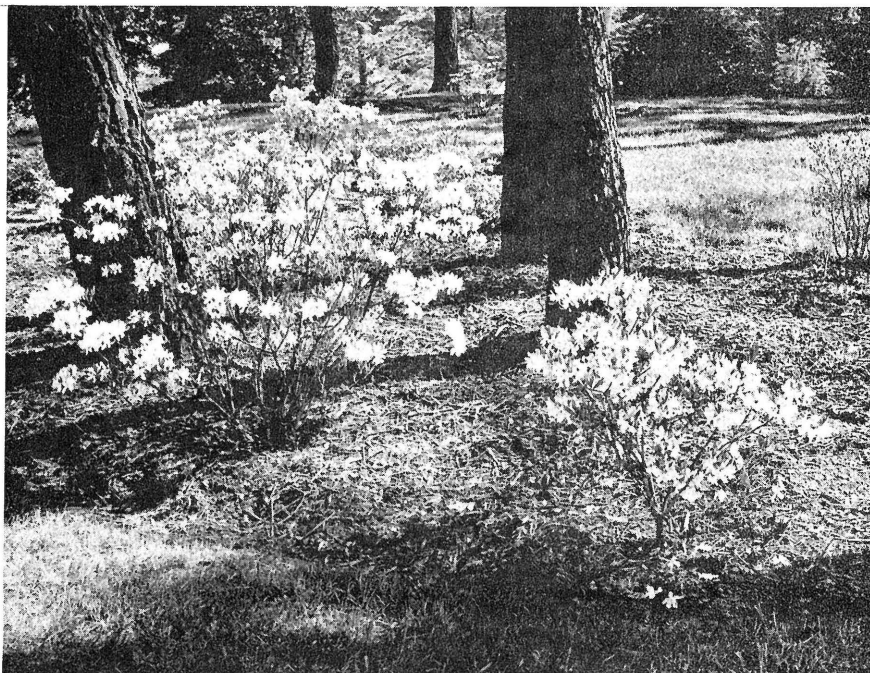
	<u>Status</u>
Rhododendron 'Sherwood Red'. (Kurume). S38. O. (5)1971, 18". SHERWOOD RED AZALEA. -12°F.	Fc 1972
Rhododendron 'Snowdrift'. (Exbury). S4. J10. (1)1970, 12". SNOWDRIFT AZALEA. Good bloom since 1971, mid to late May. Has survived -12°F. with no damage.	(++)29" (1)1973
Rhododendron 'Soft Lips'. (Exbury). S4. B5. (1)1969, 21". SOFT LIPS AZALEA. Ts 1970 J10. No flower buds to date.	(++)20" (1)1973
Rhododendron 'Sonia'. (Exbury). S4. J10. (1)1970, 20". EXBURY AZALEA. Good bloom 1970, 1971, 1972.	Fm 1972
Rhododendron 'Spreading Red'. S47. B5. (3)1966, 15". SPREADING RED AZALEA. Ts 1971 J5. 75% flower buds killed 1972 extremely fluctuating temperatures to -12°F., tips of twigs also killed. Good bloom 1973 but additional twig kill.	(-)32"-35" (3)1973
Rhododendron 'Spring Dawn'. S45. JQV. (7)1966, 18". (6)1968, SPRING DAWN RHODODENDRON. (1)Re. S52. B5. (3)1967, 18". Ts 1971 JQV. Good bloom 1973. S45. B5. (6)1968, 20". Ts 1971 JQV. Fair bloom 1968, 1969, 1970. Good bloom 1971. 1972 -- 75% to 100% flower buds killed extremely fluctuating tempera- tures to -12°F. 1973 -- 50% flower buds killed alternate periods of freezing and thawing all winter and spring. Blooms mid May to early June.	(++)37"-48" (6)1973 (++)20"-23" (3)1973 (++)26"-55" (6)1973
Rhododendron 'Spring Glory'. S45. O. (1)1961. -20°F. SPRING GLORY RHODODENDRON. S45. JQIV. (7)1967, 10". Too small when outplanted to survive competition in attempt to grow in natural setting. S52. B5. (3)1967, 5". Under <u>Juglans</u> <u>nigra</u> . Ts 1971.	Fc 1963 Fs Fp 1968 (+)8" (2)1973

Status

- Rhododendron 'Spring Parade'. S45. B5. (3)1967, 18". (++)38"-47"(3)1973
SPRING PARADE RHODODENDRON. Ts 1971 JQV, 36".
Fair bloom 1969, 1970, good bloom 1971, 1973.
1972 -- 60% to 70% flower buds killed extremely
fluctuating temperatures to -12°F. Blooms mid
to late May.
- Rhododendron 'Strawberry Ice'. (Exbury). S30. B5. (1)1966, 24". (++)28"(1)1973
STRAWBERRY ICE AZALEA. Ts 1971 J10.
S4. B5. (1)1969, 19". Fm 1971
Ts 1970 J10.
Fair bloom 1970, good bloom 1971, 1972, excellent bloom 1973.
Blooms mid to late May. Has survived temperatures to -12°F.
with no injury.
- Rhododendron 'Sugared Almond'. (Exbury). S4. B5. (1)1969. Fw 1969
SUGARED ALMOND AZALEA. Washed out by flood, reset,
never recovered.
- Rhododendron 'Sunrise'. (Ilam). S24. B5. (1)1969, 12". (++)36"(1)1973
SUNRISE AZALEA. Ts 1971 J31.
Fair bloom 1973, late May.
- Rhododendron 'Sunset Pink'. (Exbury). S4. B5. (1)1969, 12". (+)30"(1)1973
SUNSET PINK AZALEA. Ts 1970 J10.
Fair bloom 1971, good bloom 1972, excellent bloom 1973.
Blooms mid to late May.
- Rhododendron 'Supreme'. (Ilam). S24. B5. (1)1969. Ts 1971 J31. Re 1972
SUPREME AZALEA.
- Rhododendron 'Surprise'. (Exbury). S4. B5. (1)1969, 13". Fw 1969
SURPRISE AZALEA. Washed out by flood, reset,
never recovered.
- Rhododendron 'Sweet Sue'. (Knaphill-Exbury). S9. B5. (1)1969, 7". (-)10"(1)1973
SWEET SUE AZALEA. Poorly drained site.



Rosebay Rhododendron (Rhododendron maximum) has been growing in this location for more than 55 years. It is one of the last to bloom in the Arboretum, blooming in July.



One of the early blooming azaleas, Rhododendron vaseyi 'White Find', is often in full flower in April.

	<u>Status</u>
Rhododendron 'Tangiers'. (Exbury). S4. B5. (1)1969, 5". TANGIERS AZALEA. Washed out by flood, replanted, never recovered.	Fw 1969
Rhododendron 'The General'. S45. O. (2)1960. -20°F. THE GENERAL RHODODENDRON. S45. JQV. (6)1966, 12". (5)1968, (-)10"-24"(3)1973 (1)Fp.	Fc 1963
Rhododendron 'Tintoretto'. (Ilam). S24. B5. (1)1968, 12". TINTORETTO AZALEA. Ts 1971 J31.	Re 1972
Rhododendron 'Tony'. S45. O. (1)1961. (1)1964. TONY RHODODENDRON. S45. JQV. (6)1966, 12". S52. B5. (3)1967, 8". (2)1972, (1)Fs. <u>Juglans nigra</u> . Fair bloom 1968, 1969, good bloom 1970, 1971, 1973. In 1972 50%-75% flower buds killed by extremely fluctuating weather to -12°F. Blooms mid to late May.	NP 1968 (++)21"-45"(6)1973 (++)18"(2)1973
Rhododendron tschonoskii. S51. B5. (1)1969, 12". TSCHONOSKII AZALEA. Site poorly drained.	(-)9"(1)1973
Rhododendron 'Van der Hoop'. S37. B5. (3)1969, 7". (2)1970, (1)Fs. VAN DER HOOP RHODODENDRON. Site poorly drained.	(-)9"(1)1973
Rhododendron vaseyi. S29. B5. (3)1969, 24"-30". Ts 1970 J10. PINKSHELL AZALEA. Fair bloom 1970, 1971, good bloom 1972, 1973, early to mid May. Has survived temperatures to -12°F. with no damage.	(+++)48"(3)1973
Rhododendron vaseyi 'White Find'. S30. B5. (1)1966. Ts 1970 J10. WHITE FIND PINKSHELL AZALEA. S29. B5. (3)1969, 18"-23". Fair bloom 1970, good bloom 1971, 1973. 1972 -- 10% flower buds killed extremely fluctuating temperatures to -12°F. Blooms late April until mid May.	(+++)37"(1)1973 (++)28"-32"(3)1973
Rhododendron 'Vernus'. S30. JQVI. (3)1966, 15". (2)1970, (1)Fm. VERNUS RHODODENDRON. S30. B5. (2)1969, 12". (1)1973 Fc Fs. Site poorly drained, alternate freezing and thawing weather winter and spring. Fair bloom 1968, 1969, good bloom since 1969. Mid April through mid May.	(+++)51"(2)1973 (-)27"(1)1973

Status

- Rhododendron viscosum. S29. B5. (3)1969, 27"-32". Ts 1970 J10. (++)43"-45"(3)1973
 SWAMP AZALEA. Good bloom 1972. Scattered bloom on different plants 1973. Mid June to mid July.
- Rhododendron Wl. (Ilam). S24. B5. (1)1969, 12". Ts 1971 J31. (++)45"(1)1973
 Wl AZALEA. Fair bloom 1973. Late May.
- Rhododendron 'White Cap'. (Ilam). S24. B5. (1)1969, 12". (++)44"(1)1973
 WHITE CAP AZALEA. Ts 1971 J31.
 Fair bloom 1972. No flower buds 1973.
- Rhododendron 'Williams'. (Ilam). S24. B5. (1)1969, 12". (++)34"(1)1973
 WILLIAMS AZALEA. Ts 1971 J31.
 Fair bloom 1972. Late May to early June.
 No flower buds 1973.
- Rhododendron 'Wilsoni'. ('Laetevirens').
 WILSON RHODODENDRON. S31. JQV. (7)1968, 15". (-)22"(4)infected wilt 1973
 (+)22"-26"(3)1973
 S28. JQV. (3)1968, 15". (2)1970, (++)23"(1)1973
 (1)Fd. (1)1973 Fd.
 S17. JQV. (4)1969, 20". (++)20"-33"(4)1973
 A few scattered flowers 1971, 1973. No bloom otherwise.
- Rhododendron 'Windbeam'. S52. B5. (3)1967, 8". Under spread Fs 1968
 WINDBEAM RHODODENDRON. Juglans nigra.
- Rhododendron 'Wyandot'. S47. JQIV. (3)1966, 15". (1)Fs. (-)30", 35"(2)1973
 WYANDOT AZALEA. Too small when outplanted to stand competition in attempt to naturalize.
 S47. B5. (5)1969. (4)1969, (1)Fi. (++)24"-36"(3)1973
 Mealybugs.
 Ts (3)1970 J10, (1)Fs. Too wet.
- Fair bloom 1970, 1971, good bloom 1973. Early to mid May.
 1972 -- 100% flower buds killed extremely fluctuating temperatures to -12°F. Free from Powdery Mildew for 2 years of observation.

		<u>Status</u>
Rhododendron Y-1-64.	S58. B12. (1)1972, 28".	(++)34"(1)1973
Y-1-64 RHODODENDRON.	Good bloom mid May. Flowers "burnt" by late frost.	
Rhododendron yakusimanum, hybrid.	S30. JQV. (1)1968, 36".	(++)39"(1)1973
YAKUSIMANUM HYBRID RHODODENDRON.	Excellent bloom every year since 1969. Mid to late May. Has survived temperatures to -12°F. with no damage.	
Rhododendron yedoense poukhanense.	S51. B5. (3)1969, 5"-7".	(-)5"-9"(2)1973
KOREAN YODOGAWA RHODODENDRON.	(3)1972. Site poorly drained.	

			<u>Status</u>
Vaccinium angustifolium. LOWBUSH BLUEBERRY.	Suk. A1. 1942.		NP 1960
Vaccinium angustifolium laevifolium. SMOOTHLEAF LOWBUSH BLUEBERRY.	S46. JQVI. (11)1967. (2)1968, (9)Fm.		(++)12"(2)1973
Vaccinium corymbosum. Highbush BLUEBERRY.	S46. JQVI. (4)1967.		(++)65"-76"(4)1973
Vaccinium corymbosum 'Blue Ray'. BLUE RAY Highbush BLUEBERRY.	S8. B5. (5)1967, 18".		(++)36"-54"(5)1973
Vaccinium corymbosum 'Coville'. COVILLE Highbush BLUEBERRY.	S8. B5. (5)1967, 18". Suk. JQVI. (1)1967, 18".		(++)36"-55"(4)1973 (++)63"(1)1973
Vaccinium corymbosum 'Herbert'. HERBERT Highbush BLUEBERRY.	S8. B5. (2)1967, 18". Suk. JQVI. (8)1967, 18". Under <u>Juglans nigra</u> .		(++)31"(2)1973 Fs 1973
Vaccinium corymbosum 'Jersey'. JERSEY Highbush BLUEBERRY.	Suk. O. (2)1950.		Re 6'(2)1970
Vaccinium corymbosum 'June'. JUNE Highbush BLUEBERRY.	Suk. O. (1)1950.		Re 6'(1)1970
Vaccinium macrocarpum. LARGE CRANBERRY. AMERICAN CRANBERRY.	N8. (1)1966.		NP 1968
Vaccinium pallidum. BLUERIDGE BLUEBERRY.	K25. V. 1958.	V1964.	(++) 1973

POWDERY MILDEW ON AZALEAS

A. AZALEAS SUSCEPTIBLE TO MILDEW

EXBURY AZALEAS

'Altair'	'Ginger'	'Nancy Buchannan'
'Basilisk'	'Gold Dust'	'Old Gold'
'Berryrose'	'Golden Girl'	'Orient'
'Bright Forecast'	'Golden Horn'	'Pink Delight'
'Buttercup'	'Harvest Moon'	'Rennie'
'Desert Pink'	'Honeysuckle'	'Snow Drift'
'Fancy Free'	'Hugh Wormald'	'Soft Lips'
'Firefly'	'Klondyke'	'Strawberry Ice'
'George Reynolds'	'Marina'	'Sunset Pink'

ILAM AZALEAS

'Copper Cloud'	'W-1'	'Williams'
'Peach Sunset'	'White Cap'	

KNAPHILL-EXBURY AZALEAS

'Cathye Mayo'	'Sandra Marie'	
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B. AZALEAS FREE FROM MILDEW (Two years of observation)

EXBURY AZALEAS

'Balzac'	'Gibraltar'	'J. Jennings'
'Exbury White'	'Hotspur A.M.'	'Oxydol'
'Gallipoli'	'Hotspur Red'	'Royal Lodge'

ILAM AZALEAS

'Chartreuse'	'Primrose'	'Sunrise'
'Medford Red'	'Red Letter'	

KNAPHILL-EXBURY AZALEAS

'Agnes Harvey'	'Bryon Mayo'	'Sweet Sue'
'Balls of Fire'	'Gold Flake'	
'BK 37'	'Lila'	

SPECIES AZALEAS

calendulaceum	roseum	vaseyi 'White Find'
nudiflorum	vaseyi	vicosum

SELECTED REFERENCES

- (1) Clarke, J. Harold, Editor. Rhododendron Information. The American Rhododendron Society, Sherwood, Oregon. 1967.
- (2) Kelsey, Harlan P. and Dayton, William. Standardized Plant Names. 2nd Edition. J. Horace MacFarland Company, Harrisburg, Pa. 1942.
- (3) Leach, David G. Rhododendrons of The World. Charles Scribner's Sons, New York. 1961.
- (4) Rehder, Alfred. Manual of Cultivated Trees and Shrubs. 2nd Edition. The MacMillan Company, Boston, Mass. 1940.

SOURCE LIST OF PLANTS

Plants growing in the Arboretum were obtained from many sources. They came from commercial nurseries, other arboretums or botanical gardens, plant breeders, or from private individuals as listed below.

- S1. Adams, Clark, R.D. 7, Butler, Pa. 16001
- S2. Backhaus Nursery, R.D. 1, Renfrew, Pa. 16053
- S3. Baldsiefen, Warren, Bellvale, N. Y. 10912
- S4. Barber, Peter N. Exbury Gardens, Ltd., Exbury, NR. Southampton SO4 1AZ
England
- S5. Barbre, Clarence, 302 Hillside Avenue, Webster Groves, Missouri 63119
- S6. Biltmore Nursery, Biltmore, North Carolina
- S7. Birds Bog, Portage County, Ohio
- S8. Bosley, Paul R., Sr., Bosley Nurseries, Inc., 9579 Mentor Avenue, Mentor,
Ohio 44060
- S9. Bovee, Robert M., 1737 SW Coronado, Portland, Oregon 97219
- S10. Boyd Nursery, McMinnville, Tennessee 37110
- S11. Burke Estate
- S12. Cole Nursery Company, Inc., R.D. 1, Circleville, Ohio 43113
- S13. Danik, Robert C., R.D. 2, Valencia, Pa. 16059
- S14. Delp, Weldon E., Box 434, Harrisville, Pa. 16038
- S15. Durre, Freidrick Wilhelm. Germany
- S16. Fenicchia, R. A., Dept. of Parks, Rochester, N. Y. 14620
- S17. Fetterhoff, William M., 5279 Richland Road, Gibsonia, Pa. 15044
- S18. Gerard K. Klyn, Inc., 8764 Hopkins Road, Mentor, Ohio 44060
- S19. Girard, Peter, Girard Nurseries, P.O. Box 428, Geneva, Ohio 44041
- S20. Goroff, Mrs. Iza, 1043 N. Forest Avenue, Oak Park, Ill. 60302
- S21. Hocking County, Ohio
- S22. Horton Nursery Inc., Madison, Ohio 44057
- S23. Island Gardens, 701 Goodpasture Island Road, Eugene, Oregon 97401
- S24. James S. Wells Nursery, Inc., 474 Nut Swamp Road, Red Bank, N. J. 07701
- S25. John Vermeulen & Son, Inc., Neshanic Station, N. J. 08853
- S26. Kallay Bros. Co., 1251 Madison Avenue, Painesville, Ohio 44077
- S27. Kelsey Nursery, Inc., Highlands, N. J. 07732
- S28. Knauer, Andrew R., Youngstown, Ohio 44509
- S29. LaBar, William K., LaBars Rhododendron Nursery, P.O. Box 111, Stroudsburg,
Pa. 18360
- S30. Leach, David, 1894 Hubbard Road, North Madison, Ohio 44057
- S31. Loesch, Mrs. Kathryn, R.D. 1, Box 63, Lake City, Pa. 16423
- S32. Mayfair Nurseries, R.D. 2, Box 68, Nichols, N. Y. 13812
- S33. Martin, Dr. Louis G., 19 Lansdowne Road, Toledo, Ohio 43623
- S34. Musser Forest, Inc., P.O. Box 340, Indiana, Pa. 15701
- S35. Nepco Lake Nursery, Port Edwards, Wisconsin 54469
- S36. Ohio Agricultural Research and Development Center, Dept. of Forestry,
Wooster, Ohio 44691
- S37. OARDC, Dept. of Plant Pathology, Wooster, Ohio 44691
- S38. OARDC, Secrest Arboretum, Wooster, Ohio 44691
- S39. Pallack Bros. Nurseries, Inc., Box 107, Harmony, Pa. 16037
- S40. Potts, Julian, Chesterland, Ohio
- S41. Pride, Orlando S., Nurseryman, 523 Fifth Street, Butler, Pa. 16001
- S42. Prycl, Otto, R.D. 1, New Stanton, Pa. 15672

- S43. Schmidt, Ernest L., 4135 Ridgeview Road, Cleveland, Ohio 44144
- S44. Scruggs Nursery, McMinnville, Tennessee 37110
- S45. Shammarello, A. M., A. Shammarello & Son Nursery, 4508 Monticello Blvd.,
South Euclid, Ohio 44143
- S46. Sinclair, Francis M., R.D. 1, Newmarket Road, Exeter, N. H. 03833
- S47. Stanton, Ernest N., Westcroft Gardens, 21803 West River Road, Grosse Ile,
Mich. 48138
- S48. Stroombeek, E. M., Roemer Nursery, 2310 Green Road, North Madison, Ohio
44057
- S49. Tingle Nursery, Pittsville, Maryland 21850
- S50. U. S. National Arboretum, Washington, D. C. 20002
- S51. U. S. Plant Introduction Station, Glen Dale, Maryland 20769
- S52. Van Veen Nursery, 4201 S.E. Franklin Street, Portland, Oregon 97206
- S53. Warner, Zophar, Warner Nursery, R.D. 4, Willoughby, Ohio 44094
- S54. Wayside Gardens Co., 9470 Mentor Avenue, Mentor, Ohio 44060
- S55. Westminster Nurseries, Inc., P.O. Box 227, Westminster, Maryland 21157
- S56. Williams, Isaac Langley, Exeter, N. H. 03833
- S57. Wood, Edward G., 1025 Diversey Drive, Crestwood, Missouri 63126
- S58. Yates, Henry R., Frostburg, Maryland 21532
- S59. Zurn, Mrs. Evertt, Avonia Road, R.D. 2, Box 137, Fairview, Pa. 16415
- Suk. Source unknown

INDEX OF COMMON NAMES

Azalea

Apricot
Burnt Orange
Cadmium
Campfire
Chamois
Cherado
Christine
Constance
Cream Puff
Desiree

Rhododendron

Rhododendron 'Apricot'
Rhododendron 'Burnt Orange'
Rhododendron 'Cadmium'
Rhododendron 'Campfire'
Rhododendron 'Chamois'
Rhododendron 'Cherado'
Rhododendron 'Christine'
Rhododendron 'Constance'
Rhododendron 'Cream Puff'
Rhododendron 'Desiree'

Exbury Azaleas

Balzac
Basilisk
Berryrose
Brazil
Bright Forecast
Buttercup
Desert Pink
Exbury White
Fancy Free
Gallipoli
George Reynolds
Gibraltar
Ginger
Gold Dust
Golden Girl
Golden Horn
Harvest Moon
Honeysuckle
Hotspur A.M.
Hotspur Red
Hugh Wormald
J. Jennings
Klondyke
Marina
Nancy Buchannan
Old Gold
Orient
Oxydol
Pink Delight
Rennie
Royal Lodge
Snowdrift
Soft Lips
Sonia
Strawberry Ice
Sunset Pink

Rhododendron 'Balzac'
Rhododendron 'Basilisk'
Rhododendron 'Berryrose'
Rhododendron 'Brazil'
Rhododendron 'Bright Forecast'
Rhododendron 'Buttercup'
Rhododendron 'Desert Pink'
Rhododendron 'Exbury White'
Rhododendron 'Fancy Free'
Rhododendron 'Gallipoli'
Rhododendron 'George Reynolds'
Rhododendron 'Gibraltar'
Rhododendron 'Ginger'
Rhododendron 'Gold Dust'
Rhododendron 'Golden Girl'
Rhododendron 'Golden Horn'
Rhododendron 'Harvest Moon'
Rhododendron 'Honeysuckle'
Rhododendron 'Hotspur A.M.'
Rhododendron 'Hotspur Red'
Rhododendron 'Hugh Wormald'
Rhododendron 'J. Jennings'
Rhododendron 'Klondyke'
Rhododendron 'Marina'
Rhododendron 'Nancy Buchannan'
Rhododendron 'Old Gold'
Rhododendron 'Orient'
Rhododendron 'Oxydol'
Rhododendron 'Pink Delight'
Rhododendron 'Rennie'
Rhododendron 'Royal Lodge'
Rhododendron 'Snowdrift'
Rhododendron 'Soft Lips'
Rhododendron 'Sonia'
Rhododendron 'Strawberry Ice'
Rhododendron 'Sunset Pink'

Azalea (Continued)

Flame
Gable Hybrids
Helen Curtis
Hino-Pink
Hino-Red
Hino-White

Ilam Azaleas

Chartreuse
Copper Cloud
Goldie
Ilam Red
Medford Red
Peach Sunset
Primrose
Red Letter
Sunrise
W1
White Cap
Williams

Indica

Island Garden Hybrids
Jean Allen
Kathy
Kiusianum

Knaphill-Exbury Azaleas

Agnes Harvey
Balls of Fire
BK37
Bryon Mayo
Cathye Mayo
Fireball
Gold Flake
Lila
Sandra Marie
Sweet Sue

Lake Erie
Lake Michigan
Lake Ontario
Lake St. Clair
Lake Superior
Louise Gable
Maori
Myrtleleaf
Orange Beauty
Pink Plush
Pink Puff
Pinkshell
Pinxterbloom
Pontic

Rhododendron calendulaceum
Rhododendron, Gable Hybrids
Rhododendron 'Helen Curtis'
Rhododendron 'Hino-Pink'
Rhododendron 'Hino-Red'
Rhododendron 'Hino-White'

Rhododendron 'Chartreuse'
Rhododendron 'Copper Cloud'
Rhododendron 'Goldie'
Rhododendron 'Ilam Red'
Rhododendron 'Medford Red'
Rhododendron 'Peach Sunset'
Rhododendron 'Primrose'
Rhododendron 'Red Letter'
Rhododendron 'Sunrise'
Rhododendron W1
Rhododendron 'White Cap'
Rhododendron 'Williams'

Rhododendron indicum
Rhododendron, Island Garden Hybrids
Rhododendron 'Jean Allen'
Rhododendron 'Kathy'
Rhododendron kiusianum

Rhododendron 'Agnes Harvey'
Rhododendron 'Balls of Fire'
Rhododendron BK37
Rhododendron 'Bryon Mayo'
Rhododendron 'Cathye Mayo'
Rhododendron 'Fireball'
Rhododendron 'Gold Flake'
Rhododendron 'Lila'
Rhododendron 'Sandra Marie'
Rhododendron 'Sweet Sue'

Rhododendron 'Lake Erie'
Rhododendron 'Lake Michigan'
Rhododendron 'Lake Ontario'
Rhododendron 'Lake St. Clair'
Rhododendron 'Lake Superior'
Rhododendron 'Louise Gable'
Rhododendron 'Maori'
Rhododendron 'Myrtleleaf'
Rhododendron 'Orange Beauty'
Rhododendron 'Pink Plush'
Rhododendron 'Pink Puff'
Rhododendron vaseyi
Rhododendron nudiflorum
Rhododendron luteum

Azalea (Continued)

Rose
Rosebud
Roseshell
Shawnee
Sherwood Red
Spreading Red
Swamp
Torch
Tschoskii
White Find Pinkshell
Wyandot

Rhododendron reticulatum
Rhododendron 'Rosebud'
Rhododendron roseum
Rhododendron 'Shawnee'
Rhododendron 'Sherwood Red'
Rhododendron 'Spreading Red'
Rhododendron vicosum
Rhododendron obtusum Kaempferi
Rhododendron tschoskii
Rhododendron vaseyi 'White Find'
Rhododendron 'Wyandot'

Bearberry

Arctostaphylos uva-ursi

Blueberry, Blue Ray Highbush
Blueridge
Coville Highbush
Herbert Highbush
Highbush
Jersey Highbush
June Highbush
Lowbush
Smoothleaf Lowbush

Vaccinium corymbosum 'Blue Ray'
Vaccinium pallidum
Vaccinium corymbosum 'Coville'
Vaccinium corymbosum 'Herbert'
Vaccinium corymbosum
Vaccinium corymbosum 'Jersey'
Vaccinium corymbosum 'June'
Vaccinium angustifolium
Vaccinium angustifolium laevifolium

Checkerberry
Cranberry, Large
Drooping Leucothoe
Fetterbush
Formosa Pieris
Heath, Spring
Japanese Pieris
Labradortea
Lambkill Kalmia
Mountainlaurel

Gaultheria procumbens
Vaccinium macrocarpum
Leucothoe catesbaei
Leucothoe catesbaei
Pieris taiwanensis
Erica carnea
Pieris japonica
Ledum groenlandicum
Kalmia angustifolia
Kalmia latifolia

Rhododendron

Abbe Delavay
Albert Close
Album Elegans
America
Amphion
Atroflo
Autumnpurple
Belle Heller
Ben Morrison
Bettex
Betty Breene
Beulah
Big Savage
Bosley-Dexter 1005
Bosley-Dexter 1009
Bosley-Dexter 1020
Bosley-Dexter 1035

Rhododendron

Rhododendron delavayi
Rhododendron 'Albert Close'
Rhododendron 'Album Elegans'
Rhododendron 'America'
Rhododendron 'Amphion'
Rhododendron 'Atroflo'
Rhododendron fastigiatum
Rhododendron 'Belle Heller'
Rhododendron 'Ben Morrison'
Rhododendron 'Bettex'
Rhododendron 'Betty Breene'
Rhododendron 'Beulah'
Rhododendron 'Big Savage'
Rhododendron Bosley-Dexter 1005
Rhododendron Bosley-Dexter 1009
Rhododendron Bosley-Dexter 1020
Rhododendron Bosley-Dexter 1035

Rhododendron (Continued)

Boule de Neige
 Boule de Rose
 Boursault
 BPPM #29
 Brown Eyes
 Caractacus
 Carolina
 Caroline
 Catalbunglas
 Catawba
 Charles Bagley
 Charles Dickens
 Cheer
 Chesterland
 Chesterland x America
 Chionoides
 Cloudland
 County of York
 Cunningham's White
 Dahurian
 David Gable
 Discamp Yellow
 (discolor x 'Catalgla') x
 'Morning Star'
 Dr. H. C. Dresselhuys
 Dr. V. H. Rutgers
 Dwarf Alpine Dahurian
 Edward S. Rand
 Elie
 English Roseum
 English Roseum, pink
 Everestianum
 Favrie Normale
 F. D. Goodman
 Fluffy Ruffles
 Fortune's
 Fringeleaf Korean
 Fujiyama
 Glass White Carolina
 Glass White Catawba
 Gomer Waterer
 Grandiflorum Catawba
 Henrietta Sargent
 Herbert Parsons
 Holden
 Ice Cube
 Ignatius Sargent
 Indie
 Janet Blair
 King Tut
 Korean Yodogawa
 Lady Armstrong
 Laetevirens

Rhododendron 'Boule de Neige'
 Rhododendron 'Boule de Rose'
 Rhododendron catawbiense 'Boursault'
 Rhododendron BPPM #29
 Rhododendron 'Brown Eyes'
 Rhododendron 'Caractacus'
 Rhododendron carolineanum
 Rhododendron 'Caroline'
 Rhododendron 'Catalbunglas'
 Rhododendron catawbiense
 Rhododendron 'Charles Bagley'
 Rhododendron 'Charles Dickens'
 Rhododendron 'Cheer'
 Rhododendron 'Chesterland'
 Rhododendron 'Chesterland' x 'America'
 Rhododendron 'Chionoides'
 Rhododendron impeditum
 Rhododendron 'County of York'
 Rhododendron 'Cunningham's White'
 Rhododendron dauricum
 Rhododendron 'David Gable'
 Rhododendron 'Discamp Yellow'
 Rhododendron (discolor x 'Catalgla') x
 'Morning Star'
 Rhododendron 'Dr. H. C. Dresselhuys'
 Rhododendron 'Dr. V. H. Rutgers'
 Rhododendron dauricum, Dwarf Alpine
 Rhododendron 'Edward S. Rand'
 Rhododendron 'Elie'
 Rhododendron 'English Roseum'
 Rhododendron 'English Roseum' pink
 Rhododendron 'Everestianum'
 Rhododendron 'Favrie Normale'
 Rhododendron 'F. D. Goodman'
 Rhododendron 'Fluffy Ruffles'
 Rhododendron fortunei
 Rhododendron mucronulatum var. ciliatum
 Rhododendron brachycarpum
 Rhododendron carolineanum album 'Glass'
 Rhododendron catawbiense album 'Glass'
 Rhododendron 'Gomer Waterer'
 Rhododendron catawbiense 'Grandiflorum'
 Rhododendron 'Henrietta Sargent'
 Rhododendron 'President Lincoln'
 Rhododendron 'Holden'
 Rhododendron 'Ice Cube'
 Rhododendron 'Ignatius Sargent'
 Rhododendron 'Indie'
 Rhododendron 'Janet Blair'
 Rhododendron 'King Tut'
 Rhododendron yedoense poukhanense
 Rhododendron 'Lady Armstrong'
 Rhododendron 'Wilsoni'

Rhododendron (Continued)

Lavender Princess
Lavender Queen
Lee's Dark Purple
Lee Tai
Lemon Ice
Lodestar
Mars x catawbiense var.
rubrum

Mary Yates
Mrs. Charles S. Sargent
Mrs. P. den Ouden
Nova Zembla
NYBD #11
Oread
Parsons Gloriosum
Parsons Grandiflorum
Pink Cameo
Pink Dawn
Pink Fujiyama
Pink Punch
Pink Rosebay
Pink Satin
Pinnacle
Pioneer
P.J.M.
P. J. Mezzitt
President Lincoln
Prize
Purpureum Elegans
Purpureum Grandiflorum
R3
RAF 18
Ramapo
Robert Allison
Rochelle
Rocket
Rosebay
Roseum Elegans
Roseum Pink
Roseum Superbum
Seabuckthorn
Sham's Juliet
Sham's Pink
Sham's Ruby
Spring Dawn
Spring Glory
Spring Parade
The General
Tony
Van der Hoop
Vernus

Rhododendron 'Lavender Princess'
Rhododendron 'Lavender Queen'
Rhododendron 'Lee's Dark Purple'
Rhododendron 'Lee Tai'
Rhododendron 'Lemon Ice'
Rhododendron 'Lodestar'
Rhododendron 'Mars' x catawbiense var.
rubrum
Rhododendron 'Mary Yates'
Rhododendron 'Mrs. Charles S. Sargent'
Rhododendron 'Mrs. P. den Ouden'
Rhododendron 'Nova Zembla'
Rhododendron NYBD #11
Rhododendron oreotrephes
Rhododendron 'Parsons Gloriosum'
Rhododendron 'Parsons Grandiflorum'
Rhododendron 'Pink Cameo'
Rhododendron 'Pink Dawn'
Rhododendron brachycarpum rosaeiflorum
Rhododendron 'Pink Punch'
Rhododendron maximum roseum
Rhododendron 'Pink Satin'
Rhododendron 'Pinnacle'
Rhododendron 'Pioneer'
Rhododendron 'P.J.M.'
Rhododendron 'P.J.M.'
Rhododendron 'President Lincoln'
Rhododendron 'Prize'
Rhododendron 'Purpureum Elegans'
Rhododendron 'Purpureum Grandiflorum'
Rhododendron R3
Rhododendron RAF 18
Rhododendron 'Ramapo'
Rhododendron 'Robert Allison'
Rhododendron 'Rochelle'
Rhododendron 'Rocket'
Rhododendron maximum
Rhododendron 'Roseum Elegans'
Rhododendron 'Roseum Pink'
Rhododendron 'Roseum Superbum'
Rhododendron hippophaeoides
Rhododendron 'Sham's Juliet'
Rhododendron 'Sham's Pink'
Rhododendron 'Sham's Ruby'
Rhododendron 'Spring Dawn'
Rhododendron 'Spring Glory'
Rhododendron 'Spring Parade'
Rhododendron 'The General'
Rhododendron 'Tony'
Rhododendron 'Van der Hoop'
Rhododendron 'Vernus'

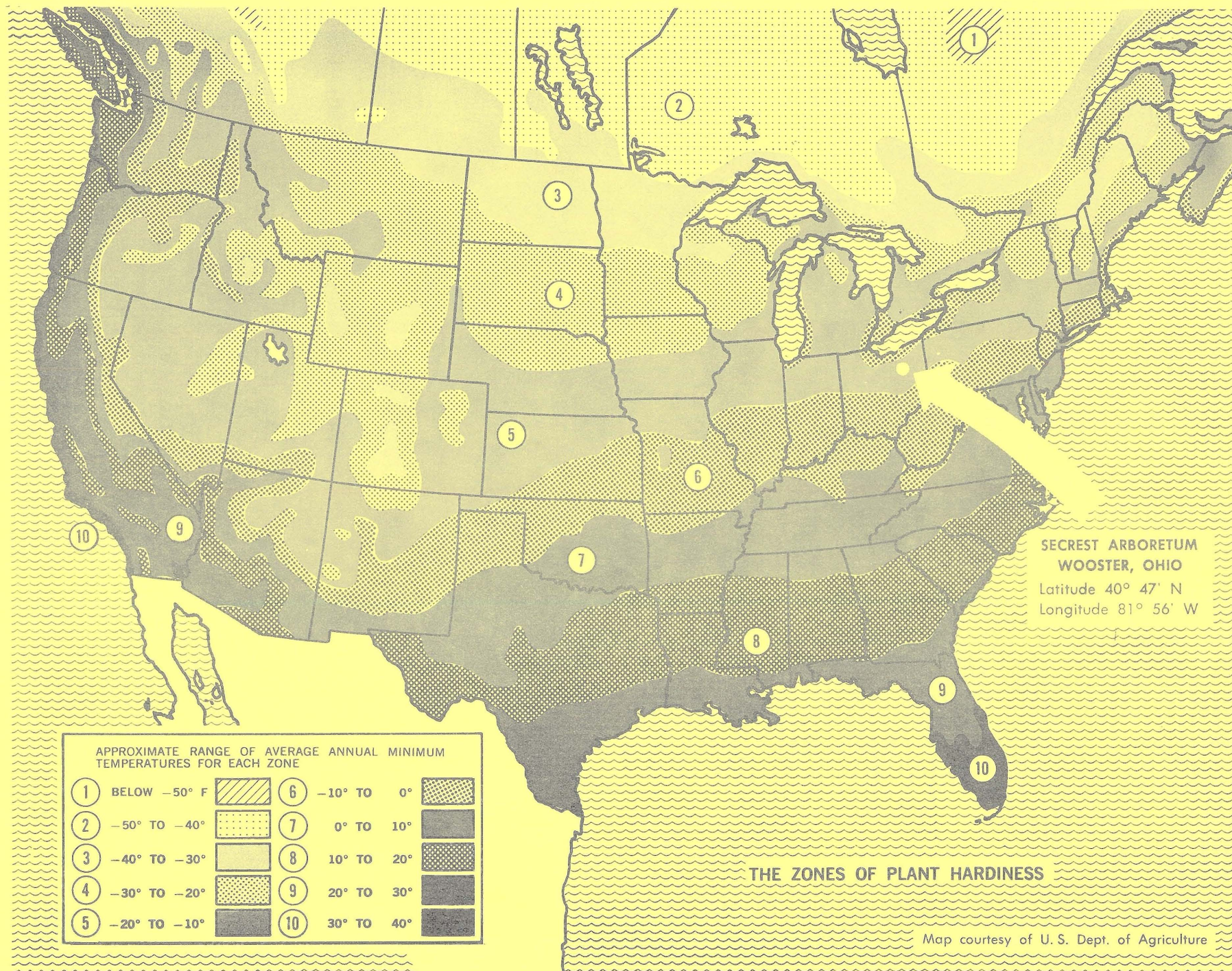
Rhododendron (Continued)

White Carolina
White Catawba
Wilson
Windbeam
Yakusimanum Hybrid

Scotch Heather
Scotch Heather Sister Ann
Sourwood
Wintergreen

Rhododendron carolineanum album
Rhododendron catawbiense album
Rhododendron 'Wilsoni'
Rhododendron 'Windbeam'
Rhododendron yakusimanum, hybrid

Calluna vulgaris
Calluna vulgaris 'Sister Ann'
Oxydendron arboreum
Gaultheria procumbens



SECRET ARBORETUM
WOOSTER, OHIO
Latitude $40^{\circ} 47' N$
Longitude $81^{\circ} 56' W$

The State Is the Campus for Agricultural Research and Development



Ohio's major soil types and climatic conditions are represented at the Research Center's 13 locations.

Research is conducted by 15 departments on more than 7200 acres at Center headquarters in Wooster, eight branches, Green Springs Crops Research Unit, Pomerene Forest Laboratory, North Appalachian Experimental Watershed, and The Ohio State University.

Center Headquarters, Wooster, Wayne County: 1953 acres

Eastern Ohio Resource Development Center, Caldwell, Noble County: 2053 acres

Green Springs Crops Research Unit, Green Springs, Sandusky County: 26 acres

Jackson Branch, Jackson, Jackson County: 344 acres

Mahoning County Farm, Canfield: 275 acres

Muck Crops Branch, Willard, Huron County: 15 acres

North Appalachian Experimental Watershed, Coshocton, Coshocton County: 1047 acres (Cooperative with Agricultural Research Service, U. S. Dept. of Agriculture)

North Central Branch, Vickery, Erie County: 335 acres

Northwestern Branch, Hoytville, Wood County: 247 acres

Pomerene Forest Laboratory, Coshocton County: 227 acres

Southern Branch, Ripley, Brown County: 275 acres

Western Branch, South Charleston, Clark County: 428 acres